

More funding worries

Ground breaking research in rain formation by physics professor Roland List (above left, with graduate student Stewart Cober), would not have been possible without funding from Environment Canada's Atmospheric Environment Services (AES). The AES program, and others like it, crucial to many university research projects, would be axed should Nielsen report recommendations concerning research be implemented. See page 9 for a story on the report.

Professor joins librarian in mandatory retirement suit

by Judith Knelman

A suit by a U of T librarian and a professor of history challenging the University's right to force them to retire at 65 will be heard April 21 to 25 in the Supreme Court of Ontario.

Ritvars Bregzis, former associate librarian at Robarts, and Professor Norman Zacour are suing the Governing Council and the Attorney-General of Ontario. Bregzis retired last June; Zacour is scheduled for retirement in June of this year.

Also suing the boards of governors of their institutions and the attorney-general are D.W. McKinney, Jr. of the University of Guelph, Horacio Roque-Nunez and Syed Ziauddin of Laurentian University, and John Buttrick, Tillo Kuhn, Hollis Rinehart and Bernard Blishen of York University. The attorney-general is named in the

suit because an Ontario law, the provision of the Ontario Human Rights Code permitting an employer to retire people at 65, is being challenged. Lawyers for the attorney-general's department, for each university, and for each faculty association will be heard.

Affidavits explaining the position of various parties in the suit have already been filed. U of T, through its solicitors, Cassels, Brock and Blackwell, has submitted affidavits from, among others, David Cook, vice-provost, Dan Lang, assistant vice-president (planning), Professors Morley Gunderson (economics and industrial relations), James Pesando (economics and policy analysis), Daniel Ondrack (management studies) and David Foot (economics), Dr. Fraser Mustard, president of the Canadian Institute for Advanced Research, former U of T President John Evans, now chairman of Allelix, Inc., and Edward Monahan, executive director of the Council of Ontario Universities.

The issues of the case go far beyond the question of mandatory retirement. Of equal importance is the authority of the Charter of Rights and Freedoms in universities. This is the first case to examine the issue of the application of the charter to universities. Section 23 says it applies to the legislature and government of each province "in respect of all matters within the authority of the legislature of each province."

Affidavits filed by U of T argue that it is related to the government, but distanced. If the court ruled that the charter did apply to universities, it would open up bodies like U of T to

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UNIVERSITY OF TORONTO

Bulletin

No. 15 39th year

Monday, March 24, 1986

Connell tells Council of stand on Alcan's divestment vote

President George Connell has decided the University, a shareholder in Alcan Aluminium Ltd., will vote in favour of a resolution directing the company to sell its interest in a South African company.

Connell told Governing Council he made the decision after the advisory committee on the social and political aspects of university investment voted three to two in favour of abstaining on the shareholders' resolution. Two committee members favoured a yes vote. U of T owns about \$2.4 million worth of Alcan stock.

The resolution has been proposed by church groups with shares in the company. It remains on the agenda of Alcan's March 27 annual general meeting, despite the fact that Alcan has announced its decision to sell its 24 percent interest in Hulett Aluminium Ltd. to its South African partner for about \$12 million US.

Connell said his decision was prompted by the failure of Alcan management to respond "thoroughly and convincingly" to the charge that Hulett sells specialized material for military equipment to the government of South Africa.

"Abstention on the present proposal could be interpreted as satisfaction with the position taken by management and the directors. While the conduct of Hulett and Alcan is in many respects commendable, in my judgement the argument against the proposal has not been well-supported by information and argument," Connell said in a memorandum to Council.

Only one governor reacted at the meeting to the president's announcement. Part-time undergraduate representative Claire Johnson praised the decision.

In his report to Council Connell responded in detail to a March 8 *Globe & Mail* article headed "U of T's world star dimming after 15 years of cutbacks".

"Even an assessment of the University that is incomplete and more negative than my own would be can be helpful to bring our problems to the attention of the public," he said.

However, he criticized the story's heavy reliance on a 1985 rating of universities by Jack Gourman, a political science professor at California State

University in Northridge.

"I have to say I don't attach any significance whatsoever to the Jack Gourman report. His approach is obscure. I don't think anyone has ever been able to discover how he conducts his ratings," Connell said.

"Our foremost concern must be the quality of our work and that does occupy a great deal of my time and that of the provost and her colleagues.

"In the end the quality of what we do represents the integral or total

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Library may need to reduce acquisitions

by George Cook

Faced with an estimated \$450,000 deficit, the University library may be forced to cancel subscriptions to 5,000 serial publications and buy 15,000 fewer books next year.

But Assistant Vice-President (planning) Dan Lang said that while the library is responsible for eliminating its deficit, it may be possible to do so over more than one year, thus easing the impact on acquisitions.

"There isn't any kind of budget magic," Lang said. "There may be more time to adjust to the deficit, but there's no way of making the number smaller."

University divisions are permitted to carry a surplus from one fiscal year to the next and must rationally manage their spending to ensure they are not caught short when costs rise more sharply than expected, Lang said. He said a balance must be struck

between fixed spending on books and on-going, cumulative spending on serials. The large growth in the number of serials purchased, the cost of which must be carried from year to year, has contributed to the elimination of library surpluses in the past.

The real value of the library acquisitions fund has been protected since 1979-80. However, the method of protection — a "double slip year" formula by which the budget increase is tied to the increase in costs two years ago — may be reviewed, Lang said.

Asked to comment on the possible reduction in library acquisitions, Dean Robin Armstrong of the Faculty of Arts & Science said the situation is "deplorable" but must be viewed in terms of the University's total budget.

"In the context of the closure of the faculty of architecture and serious reductions in the faculty complement in arts and science, what do you do?" Armstrong said.

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Purchasing department sets up a U of T equipment exchange

Is your department, research group or lab in the market for equipment? Would you like to sell an item not currently in use? If so, the Equipment Exchange is for you.

The exchange will be organized by the University's purchasing department. Beginning soon, a regular advertising notice will appear in the *Bulletin* with a list of items for sale, the name of the seller, the original purchase price and the current fair market value.

All you have to do to sell is get the necessary approvals and call purchasing. Proceeds revert to the seller's research account, department or faculty.

Purchasing manager Keith Bowler said all University divisions and affiliated or allied institutions will

have access to the exchange. It is intended mainly for the institution, but individuals are free to purchase items for personal use as well.

The University buys millions of dollars worth of equipment every year. Over time, some of it is stored but faculty and staff in need may not know of its existence or have access to it.

Bowler said that at Iowa State University, where an exchange has been under way for some time, 80 percent of equipment requests are filled from existing stock within the institution.

Among the items currently for sale at U of T are a VAX 2-780 computer valued at \$80,000, an all-terrain vehicle (\$1,000), a scissor-lift truck (\$6,000), a pick-up truck (\$6,400), and a snowmobile (\$1,000).

Retirement

continued from Page 1

direct challenge in other areas as well as mandatory retirement covered by the charter.

Section 15 of the charter, which deals with equality rights, rules out discrimination with respect to race, national or ethnic origin, colour, religion, sex or disability. If the charter applies to universities, the question would have to be addressed of whether mandatory retirement is discrimination under the charter. U of T is expected to argue that its contracts with faculty are private.

Assuming mandatory retirement is judged to be age-based discrimination, the University may argue, if it can show mandatory retirement to be a sensible social policy, that a law that is reasonable and justifiable should not be struck down. The affidavits point out that mandatory retirement allows people to plan their financial affairs and is a bargain struck between labour and management that allows younger people to be brought into the work force.

The University's view of the contract between Governing Council and faculty members is that it has permitted tenure in return for acceptance of the University policy of retirement at 65. Under the *Haist* rules, continuous employment is held until the age of retirement. Tenure could change as a result of a judgement striking down the universities' right to impose retirement.

"The professional task is so complex and difficult to analyze, as in other professional settings, that performance of it is difficult to assess by objective means," says Evans' affidavit. "It is the absence of good objective measures of performance which limits the validity of administrative review and calls for the judgement of peers."

Performance reviews could be more frequent and more stringent, since it

could be perceived as unfair to review the performance of only those nearing the age of 65. Mustard's affidavit argues that academics who know that they are going to be evaluated every few years may be reluctant to undertake research that is long-term or speculative, since research with a relatively quick payoff would be more likely to be commended in the short term.

The affidavits also stress the importance to the University of flexibility. They point out that the demand for graduate studies in political science, for example, has decreased while the demand for management studies has increased.

Whatever the judgement, the likelihood of appeal is strong. The next step would be to the Ontario Court of Appeal, and then to the Supreme Court of Canada. It would probably take another two years to arrive at a final judgement if that route were followed.

The University of Toronto Faculty Association (UTFA) newsletter of March 18 says a far preferable way would be for the association to negotiate a flexible retirement policy with the administration. "The University is... financially hard pressed," says the newsletter. "Litigation is more expensive than negotiation."

The newsletter says that if the U of T retirement policy is struck down it will be necessary to amend both the *Memorandum of Agreement* and the *Policy and Procedures on Academic Appointments*. UTFA has appointed a task force to work out a policy for flexible retirement.

Information on the exact location of the hearings can be obtained from the weekly court register of the Supreme Court of Ontario at 965-5541 a few days ahead.

Governing Council

Continued from Page 1

experience of all our faculty and students, their achievements and the opportunities we give them for conducting work at their highest level of potential."

The University must continue to ensure that both accomplishments and shortcomings due to lack of resources are brought to public attention, the president said.

He also questioned the accuracy of the *Globe* article's claim that recent independent assessments identify seven U of T graduate programs that are in serious academic difficulty and a further 17 that will be in trouble if the quality of research is not improved and the faculty strengthened.

The number of assessments cited includes those carried out by the Ontario Council of Graduate Studies (OCGS) at both the Ontario Institute for Studies in Education (OISE) and U of T.

Of the seven programs in serious difficulty, only two are in the University. The other five are in OISE, Connell said.

Since 1980-81, 30 U of T graduate programs have been appraised. Of those, 23 received an A rating, the highest possible; five received a B, indicating good quality, but warning that imminent retirements could cause deterioration; and two received a C. One of these has overcome its problems, the other continues to make efforts to do so, the president said.

In his report Connell noted that the recent tour of Ontario cities by several university presidents organized by the Council of Ontario Universities got off to an unpropitious start at a poorly attended news conference but gained momentum outside Toronto and ended successfully back in the city.

He praised the efforts of the Students' Administrative Council to organize a news conference prior to universities and colleges minister Gregory Sorbara's recent address to students at St. Michael's College. Connell said he, faculty association president Michael Finlayson, staff association president David Askew and SAC spokesman Sean Meagher

made a "credible presentation" which prompted sharp questions of the minister by reporters later in the day.

In other business:

- Vice-President — Research David Nowlan described the impact of the recent federal budget on the three national research granting councils. "The picture is certainly less than disastrous but not nearly what we'd hoped for," Nowlan said.

It is not yet clear how the new matching industry-government grants program will work. Industry may give to the councils as it would to charitable organizations or finance projects that are directly applicable to its private activity.

Nowlan said U of T has approached several companies to see if a joint approach to the new program can be worked out and proposed to the government.

- In response to a question from staff association representative Michael Jackel, Connell said he will address the issue of a memorandum of agreement for the staff association at the April meeting of the Business Affairs Committee.

In a Feb. 20 letter to Governing Council chairman St. Clair Balfour UTSA president David Askew said the association believes the matter should be dealt with quickly by the Council and asked that negotiations begin immediately.

- Council approved a new employment equity policy for all University employees. The new policy includes a provision prohibiting discrimination on the grounds of sexual orientation in hiring and promotion. Academic affairs chairman Kenneth McNeill said the policy does not impose quotas for hiring women but should help enhance and diversify the role of women in the University.

- The Woodsworth College pre-University program was named for Millie Rotman Shime, the deceased daughter of a donor. Provost Joan Foley is studying the question of naming programs after individuals. Only one other, named for Marshall McLuhan, exists in the University.

Library acquisitions

Continued from Page 1

libraries have reduced their acquisitions on the understanding that the lost publications would still be available at U of T.

The advisory committee was also told that in an initial effort to deal with the deficit the library has instituted an embargo on ordering new publications. Plans to reduce spending further were also discussed.

To eliminate the deficit the library will draw on discretionary funds, halt retrospective buying and borrow from a small reserve, Garlock told the committee.

Based on current expectations, the longer term stabilization of the acquisitions fund will require a 15 to 20 percent reduction in spending on books and serials and a 50 percent reduction in spending on duplicate publications.

The measures are based on an estimated 7.6 percent increase in funding for acquisitions next year. Final decisions on budget allocations have not yet been made.

The University expects to spend about \$2.9 million of its share of the

provincial Excellence Fund on libraries. Under its terms of reference the Excellence Fund cannot be used to eliminate a deficit.

The library's overspending was caused in large part by unexpectedly high rates of currency exchange, Garlock said. The acquisitions budget was increased 3.6 percent in 1985-86, but book and periodical prices increased about 20 percent.

Up to half the books and periodicals purchased by the library come from the US. Of the remainder, most of those purchased outside Canada come from the UK, Germany, Switzerland, France, Japan and Holland.

A letter sent last week to department chairmen asks them to establish a list of necessary and expendable publications to guide cancellations. Orders must be cancelled soon to reduce the cost of next year's acquisitions.

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President, University groups speak out against underfunding before Sorbara's visit

Gregory Sorbara, minister of colleges and universities, didn't mind being upstaged by a press conference on underfunding at St. Michael's College March 12.

He had been booked to give the students reminiscences of his undistinguished — by his own account — career as a student at the college from 1963 to 1967. At the last minute, the Students' Administrative Council decided to bring together representatives of the staff, faculty, administration and student body to speak out against the underfunding of the University by the provincial government.

Sorbara didn't attend the press conference. But he did say that he thinks it's a good idea for institutions to speak out publicly so that the province as a whole is aware that the government is being pressed to do more for universities. Voter awareness of the situation helps him make a stronger case for university funding in caucus

and in Cabinet, Sorbara said.

"If we cooperate in the endeavour we'll produce a far better educational system," he said, making the point that some effort to adapt and improve has to come from the people being funded. He warned that the universities' needs will always be greater than the ability of the government to provide.

At the press conference, President George Connell said enrolment is up 30 to 40 percent over 1971 but funding is down 10 to 15 percent and the student-faculty ratio has gone from 14 to 18 to one. He warned that there is no such thing as a discount price for higher education.

Michael Finlayson, president of the University of Toronto Faculty Association, said that if underfunding continues for another decade "the entire system will sink slowly into the swamp".

Academic affairs to consider external review and closure of architecture

by George Cook

The Academic Affairs Committee will consider both a motion to close the Faculty of Architecture & Landscape Architecture and a motion to commission an external review of the faculty at its April 10 meeting.

The motion to commission a review was referred to Academic Affairs by the Governing Council's executive committee March 11. The motion to close will be brought forward by Provost Joan Foley.

If Academic Affairs decides to recommend an external review to the Governing Council, the motion to close could be referred back to the administration pending Council's decision.

Academic Affairs chairman Kenneth McNeill said that by April 10, the joint Academic Affairs and Planning & Resources meetings to receive oral presentations concerning the faculty will have taken place and members will be well enough informed to know whether there is a need to garner more information through an external review.

Four joint committee meetings are scheduled for March 31, April 3, 5 and 8 in the Council Chamber, Simcoe Hall. (For times see *Events* in this issue.)

At their committees' request, McNeill and Planning & Resources chairman William Francombe met Foley early last week to ask her to consider commissioning the review.

Acting dean of architecture Peter Wright raised the issue of external review at Academic Affairs March 13. He said a study ought to be commissioned because the joint committee may not be familiar enough with the discipline to know whether the condition of the faculty and the cost of its continuation warrant closure.

Several members of Academic Affairs concurred. Professor James Burke of the Department of Spanish & Portuguese said an external review would save time. Committee members

should not be put in a "jury situation", forced, in the absence of an external analysis, to judge between contending opinions of the cost of continuing the faculty, he said.

Meanwhile, York University President Harry Arthurs says his institution is considering its course of action should the University of Toronto decide to close the faculty.

In a carefully worded three-page statement presented at a meeting with the Committee to Maintain a School of Architecture in Toronto, Arthurs outlines the problems and possible benefits of establishing a school of architecture at York. "As we await the final outcome of the debate at the University of Toronto, we will begin our own internal deliberations . . . We will explore with all interested parties the full range of possibilities, including that of collaborating with other institutions to assure the survival of education in architecture and landscape architecture in Toronto," Arthurs concludes.

UTSA asks for 11.7% increase

The University of Toronto Staff Association (UTSA) has asked the administration for an increase for members of the administrative staff for next year of 11.7 percent or \$2,668, whichever is greater.

The proposal is for a cost-of-living increase of four percent, a productivity increase of three percent and a catch-up increase of 4.7 percent to compensate for the amount by which the economic increase fell behind inflation in the years 1982 to 1986.

UTSA has also asked that a vision care program be put into the extended



Book launch

Mary di Michele, U of T writer in residence and Scarborough College graduate (1972), has just completed her fifth collection of poetry, *Immune to Gravity*, published by McClelland & Stewart. Di Michele, seen here at the Scarborough principal's residence for the book launching March 10, has received several poetry awards, including top prize in the 1980 CBC poetry competition, a silver medal in the 1982 National Magazine Awards, and the Air Canada Literary Award as the most promising young writer of 1983. Now a columnist for *The Toronto Star*, she is also working on her first novel.

U of T gets \$9 million from Excellence Fund

The University of Toronto is to get nearly \$9 million of \$40 million that is being distributed in targeted funding for research, library enhancement and student equipment by the provincial government. Shares of the remaining \$10 million of the Excellence Fund targeted for faculty renewal are not yet known.

U of T would have received \$1 million more for research had the Ministry of Colleges & Universities accepted the recommendation of the Council of Ontario Universities and the Ontario Council on University Affairs (OCUA) that entitlement be determined by an institution's share of

research grants from the three federal granting councils from 1982-83 to 1984-85. Instead, the government chose a distribution formula that takes into account total sponsored research (except at the University of Guelph, where 40 percent of the Ministry of Agriculture grants have been deducted).

OCUA had advised Minister Gregory Sorbara to extend the faculty renewal program beyond one year. Sorbara notified Marnie Paikin, chairman of OCUA, that he has decided to defer responding to the recommendation while the matter is being considered further.

care health plan and that coverage under the dental plan be increased.

Other proposals are for an early retirement program for administrative staff and provision for staff members to retire in the month in which they turn 65.

UTSA wants market adjustments to be made where necessary to bring salaries into line with those outside the University. It is also asking for a clearer policy on personal leave and a compressed work week policy for departments in which it would be feasible.

The proposals include a suggestion that vacation provisions for non-managerial administrative staff be improved to reduce the discrepancy with managerial staff and librarians.

UTSA has asked that the first item of business in negotiations be to determine what can accurately be regarded as salary and benefits proposals. Last year President George Connell said he had reservations about including some of UTSA's proposals in negotiations and would want to seek a process this year for deciding which were subject to negotiation.

Honorary degree recipients for 1986

U of T will grant 10 honorary degrees during the 1986 June and November convocations. Governing Council, at its meeting March 20, approved the selection made by the Honorary Degree Committee.

Receiving the degrees are:

- Lincoln MacCauley Alexander, Ontario's Lieutenant-Governor. Prior to his appointment as Lieutenant-Governor in 1985, he was chairman of the Workers' Compensation Board of Ontario, a Member of Parliament and minister of labour in 1979. Born in Toronto in 1922, he holds degrees from McMaster University and Osgoode Law School.
- Harry William Bain, paediatrician. Bain is chairman of the Department of Paediatrics at U of T and physician-in-chief at the Hospital for Sick Children. Born in Cache Bay, Ont., he is the director of the Toronto Sioux Lookout Health Care Project, which he founded in 1969.
- Mauro Barni, rector of the University for Foreigners in Siena, Italy. Born in Siena in 1927, Barni has degrees in medicine and surgery from the University of Siena and became its rector in 1968 before taking up his current appointment in 1978. He has been involved with the U of T Summer Program in Italian and Fine Art at the University of Siena since the program's inception in 1973.
- Edmund Charles Bovey, retired industrialist and chairman of the Federal Task Force on Funding for the Arts. Bovey is director of Norcen Energy Resources Ltd., and is past chairman of the Committee on the Future Role of Universities in Ontario and of the Council for Business and the Arts in Canada. A native of Calgary, he received the Order of Canada in 1978.
- Robert George Brian Dickson, chief justice, Supreme Court of Canada. A native of Yorkton, Sask., and a graduate of the Manitoba Law School, he is recognized for his contributions to Canadian jurisprudence. He was appointed to the Supreme Court in 1973 and made chief justice in 1984.

- Martha Henry, actress. A graduate of the Carnegie Institute of Technology, Pittsburgh, and of the National Theatre School, Montreal, she has played principal roles with Ontario's Stratford Festival and the Grand Theatre Company in London, Ont. In addition she has performed in major CBC productions. She is an Officer of the Order of Canada and won the Genie Award for best actress in 1979.
- Lorna Jean McLean Marshall, social anthropologist. She is a pioneer of anthropological studies with the San (Bushmen) in Botswana, Namibia and Angola. Born in Morenci, Arizona, in 1898, with degrees from the University of California (Berkeley) and Radcliffe College, she is noted for her 1976 publication *Kung of the Nyae Nyae*.
- P. James E. Peebles, astronomer and Albert Einstein Professor of Science, Princeton University. A native of Winnipeg with degrees from the University of Manitoba and Princeton, he has been recognized internationally for his discoveries in the field of theoretical cosmology.
- Anatol Rapoport, mathematician and psychologist. In addition to his accomplishments in the fields of music, mathematics, psychology and peace studies, he held appointments as professor of psychology and mathematics at U of T, 1970-80. He became director of the Institute for Advanced Studies in Vienna in 1980, returned to U of T in 1984 and now holds the position of professor of peace studies. Born in Russia in 1911, he received degrees from the University of Chicago and taught at the University of Michigan, 1955-70.
- Jon Vickers, opera singer. A native of Prince Albert, and a graduate of the University of Saskatchewan and the Royal Conservatory of Music, Toronto, he has achieved international recognition as an outstanding performer with opera companies throughout the world. He was made a Companion of the Order of Canada in 1969.

Positions Elsewhere

Notice of the following vacancies outside the University has been received by the Office of the President.

Michigan State University Provost and Vice-President for Academic Affairs
Preferred starting date: July 1, 1986. Deadline for applications and nominations: April 1, 1986.

Contact: Professor Edward C. Ingraham, chairperson, Provost Search Advisory Committee, Michigan State University, 406 Administration Building, East Lansing, Michigan 48824-1046. Telephone: (517) 353-3530.

University of Guelph Vice-President, Academic
Commencing July 1, 1986.

Deadline for applications and nominations: April 30, 1986.

Contact: Dr. Burton C. Matthews, chairman, Selection Committee for the Vice-President, Academic, Level 4, University Centre, University of Guelph, Guelph, Ontario N1G 2W1.

1985 Presidents' Committee results

In 1985, membership in the Presidents' Committee reached 1,128, reports the Department of Private Funding. Of these, 1,047 members made cash donations to the University of \$1,000 or more for a total of \$4.05 million. Another 81 members gave rare books and other gifts-in-kind valued at \$1.09 million.

President George Connell says the activities of almost every division are now aided directly by Presidents' Committee donations. "The results are cause for celebration for the entire University community."

The Koffler Theatre Seat Campaign contributed significantly to this year's results, with 112 of the 155 subscribers becoming Presidents' Committee members for the first time. Two hundred faculty and administrative staff made cash donations of \$364,000; 26 contributed gifts-in-kind.

The results also include large cash donations from long-time committee members Murray Koffler (for the renovation of the Koffler Student Services Centre) and Jock Dawe (for the PCL Construction Group Adjunct Professorship in Construction).

Since the conclusion of the University's Update fundraising drive in 1981, membership in the Presidents' Committee has grown by almost 300 percent. Chairman William A. Farlinger says the committee "is now in an excellent position to provide leadership in the upcoming capital campaign."

Beginning in 1986, the University will give special recognition to donors of gifts-in-kind, says private funding. Individuals whose gifts are valued at \$500 or more will be listed separately as "Heritage Donors" in annual reports of University supporters.

Killam research fellowships

Five U of T faculty members have been awarded Killam Research Fellowships this year.

They are: E.J. Weinrib, law (The philosophical foundations of the law of torts); Michael Millgate, English (Final intentions: authorial representations of texts and selves); B.F. Madore, astronomy (The extragalactic distance scale); J.B. Jones, chemistry (Applications of enzymes in organic synthesis);

and Ian Hacking, Institute for History & Philosophy of Science & Technology (Philosophy: natural kinds and human kinds).

The research fellowships, which provide salary replacement, are intended to support scholars of exceptional ability in a wide variety of fields.

Renewals this year went to two chemists: A.G. Harrison, for his work on collisional spectroscopy of gaseous ions, and S.C. Wallace, for picosecond laser studies of the coherent time evolution of the excited states of large molecules.

Recommended dining

MASA

Enter through a Japanese rock garden which sets the scene for gracious, relaxed dining in the Oriental tradition, surrounded by wicker, bamboo, and Japanese prints. You can dine Japanese style at low tables or, if you prefer, North American style with normal tables and chairs.



The service is efficient and polite no matter which you choose. Five course dinners present a selection of *sukiyaki*, *teriyaki*, *shabu shabu*, or *yosenabe* as the main course. The latter is prepared in a wok right at your table and consists of seafoods, vegetables and tasty seaweed. The main course is accompanied by soup, sunomiso salad (octopus, cucumber and shrimp), tempura, rice, dessert, and tea. Ambx, Chgs. 195 Richmond Street West, 977-9519. Noon-2:30 p.m. to 11 p.m. Mon-Fri. Sat. 5 p.m. to 11 p.m. Closed Sunday. ****

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a big iron pot which is kept hot at your table. The ingredients are boiled shrimps, lobster tail, crab legs, scallops, white fish and fish cake, green vegetables, and bonito stock. Soup, appetizer and dessert are included. Vegetarians will like the *shyo-jin-ryori* complete dinner—a fascinating mélange of crisp oriental vegetables. There is accommodation for parties of four or more. Licensed. Ambx, Chgs. 459 Church Street, 924-1303. Noon-2:30 p.m. to 11 p.m. Mon-Fri. Sat. 5 p.m. to 11 p.m. Closed Sunday. ****

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U of T's supercomputer on its way — installation set for June

by George Cook

The University is about to become the owner of a Cray X-MP/24 supercomputer at a total cost of \$12.9 million. The purchase and installation of the Cray was approved by Governing Council at its March 20 meeting.

The machine will be installed in June at the computer services centre in the Bancroft building and will become operational soon after.

The supercomputer, so called for its exceptional speed and computational power, was previously owned by the US National Aeronautics and Space Administration's California research facility. It has numerous applications in fields as diverse as theoretical astrophysics, biochemistry, meteorology and economics.

President George Connell said the Cray will create many new research possibilities at U of T and elsewhere in Ontario. "The imagination and inventiveness of researchers usually outstrips our ability to predict their direction," he told a meeting of the Planning & Resources Committee last week.

The addition of the Cray to U of T's already formidable technological arsenal will boost the opportunities for research enormously, Vice-President — Research David Nowlan said.

The machine is expected to attract top-flight researchers and graduate students to the University. And because the manufacturer will use the U of T machine to showcase its technology in Canada, fruitful links with industrial researchers interested in supercomputing are also expected to develop.

At present Canada has only one supercomputer dedicated to university research — a less powerful Cyber 205 at the University of Calgary. There is, in addition, a Cray supercomputer at Dorval used largely for weather mapping.

The capital cost of acquiring the Cray will be borne in large part by the Ontario government, which has committed \$10 million to the purchase. Additional money will be raised through a \$2.5 million bank loan and a \$700,000 contribution from the University's portion of the Excellence Fund.

The Excellence Fund contribution will be recovered when the financial situation of the supercomputer facility permits.

In recognition of the provincial contribution, the University has agreed to guarantee half the available machine time for researchers from Ontario universities, including U of T. Ten per cent of the time is reserved exclusively for U of T use and the remaining 40 per cent will be sold commercially or otherwise allocated.

Five sources of income will cover the computer's \$3.5 million a year operating expenses. Researchers will pay \$150 an hour for machine time, \$1,000 an hour if they are working on contract research. Commercial users will pay \$2,000 an hour. Other income will derive from grants provided by the Natural Sciences & Engineering Research Council, the Medical Research Council and the manufacturer.

Much of the debate regarding the viability of the operation has concerned the potential for commercial sales. The supercomputer business plan sets a minimum target of \$1.4 million in commercial income in the first full year of operation, \$2.1 million by the fifth year.

However, Vice-President — Business Affairs Alec Pathy told the Planning & Resources Committee the commercial revenue estimates are conservative. "We hope to do much better over time," he said.

The University has had discussions with 16 potential customers, each of whom has declared an interest in purchasing time. If all 16 become users the computer could generate about \$5 million in commercial income in the fifth year, well above the \$2.1 million estimate.

Pathy said there is no risk of financial loss if the facility achieves the estimated level of commercial sales. If commercial sales fall short, however, the computer could be sold, thus recovering the asset's value at the time of sale and avoiding a major drain on funds.

The Business Affairs Committee discussed the feasibility of the project for more than two hours March 19 before recommending it for Governing Council's approval. A number of the members abstained from the vote, with some expressing frustration at their inability to judge the viability of the projections for commercial revenue. Professor George Luste of the Department of Physics distributed a 47-page brief entitled "A Prescription for Disaster" and explained to the committee why he thought the plan was a risky enterprise. A former U of T student, Domenic Lam, now a

computer consultant, warned that the revenue expectations were unrealistic and urged the committee to defer the decision. But President George Connell pointed out that the probability that U of T would receive the grant after March 31, the end of the government's fiscal year, was not good.

At the business affairs meeting, part-time student Claire Johnson said she could not vote for the proposal unless she had assurance that if it failed money would not be taken from general operating funds to cover any deficit. Pathy said he did not expect it to fail, but he could not give the assurance.

The provincial government has agreed that if revenue targets are not achieved the University can sell the machine. Proceeds from such a sale would revert to the province after the financial obligations of the supercomputer centre had been met.

The agreement with the province also establishes an advisory board to set policy on machine use. The board will consist of five U of T representatives, six from other Ontario universities, one appointed by the Council of Ontario Universities and one appointed by the province.

The facility will be run as a separate cost centre managed by a director and staff and will contract with UTCS for services where economical.

Concern regarding the costs of the machine and its revenue generating potential were raised at Governing Council by Professor Kenneth McNeill, chairman of the Academic Affairs Committee. He asked if there

were any guarantees of revenue from commercial sales.

Connell said that while the University believes there is a large commercial market for the machine in Canada, there are no guarantees.

Planning & Resources Committee chairman William Francombe said there is risk in the purchase. "The decision before this council is to measure that risk against the advantages. No one is guaranteeing that the revenue side is going to be met," he said.

McNeill asked why the facility can't be made a research ancillary in order to protect the University's operating budget if the Cray fails to attract large enough numbers of commercial users.

"I do not believe that is possible," Connell said. "It is the view of our comptroller, our assistant vice-president of finance and our business affairs vice-president that the proposal to regard the supercomputing facility as an operating division of the University — one that is fully identified and fully costed — is the appropriate one."

Pathy said the critical period for decision regarding the viability of the facility will come between the first and second years of operation.

McNeill also asked if there were realistic estimates of the machine's resale value.

"What we recover from the sale of the Cray is exactly what a potential buyer would be prepared to pay us on the date we put it up for sale, no more and no less," Connell said. "And I don't think anyone can predict at this time what that value would be."

U of T proposes negotiation of two alternative agreements with OISE

U of T has agreed to resume negotiations for a renewal of its affiliation agreement with the Ontario Institute for Studies in Education (OISE) — providing negotiations for a transfer are undertaken at the same time.

The offer was made in a letter sent March 10 to Bernard Shapiro, OISE's director, a week before the announcement of his appointment as deputy minister of education in the Ontario government.

In the letter, President George Connell agrees to a proposal by OISE that negotiations resume for an affiliation agreement, but points out that the proposal is in direct conflict with the policy of the government as stated by Treasurer Robert Nixon. In a response in late January to a letter from Nixon reiterating the government's proposal to transfer OISE to U of T, William Jones, chairperson of the OISE Board of Governors, flatly rejected the idea of an amalgamation.

What U of T would like to negotiate, says the letter, would be an agreement that either complied with government policy or might induce the government to modify its policy to accommodate it.

At the same time as these negotiations were going on, the same teams or other teams should be negotiating "a proposal which conforms explicitly to present government policy and which would constitute an effective response to Mr. Nixon's invitation", says the letter.

The commitment of the University

to negotiate the affiliation agreement would be contingent upon steady progress in the second set of negotiations.

"If the negotiations were successful, in the sense that two alternative agreements were reached, both agreements would be presented to the governing bodies of the respective institutions and to the governments." The governing bodies would be free to approve or reject each of the agreements and to advise Gregory Sorbara, minister of colleges and universities, on the merits of each of the proposals. Connell believes the negotiations should be completed by June of this year. "This proposal is offered in a spirit of cooperation and in the hope that we can work speedily to resolve what is a difficult situation both for the Institute and the University," says the letter.

Mary Alice Guttman, president of the faculty association at OISE, says Shapiro's impending departure could affect the timetable. He leaves OISE June 30 to fill the position vacated by George Podrebarac, who is now deputy minister of the Human Resources Secretariat.

Shapiro came to OISE in 1980 from the University of Western Ontario, where he was academic vice-president and provost and dean of the Faculty of Education. As head of the Commission on Private Schools in Ontario, he recently advised the government to finance private schools.

Correction

Bulletin coverage of the visit of US ambassador Thomas Niles to U of T in the March 10 issue omitted that arrangements for the visit were made by the Centre for International Studies.

Also in that issue, in the letter from Klaus Heuck suggesting that a committee be established outside of UTSA to negotiate staff salaries and benefits, sentences in one paragraph were inadvertently repeated in another.

Paragraph six should have read: "... There would be no mandate for the committee to present conferences or newsletters. The committee would not act as a fund gathering organ for external groups or delve into areas of federal or provincial legislation. The committee will be the employees' voice in Simcoe Hall trying to direct the administration on where and how the staff wants their salary and benefits allocated ..."

Funds received for employment equity coordinator

U of T's application for partial funding of the position of coordinator for employment equity has been approved by the provincial government.

The University will get \$20,000 for the coordinator's salary and \$3,000 for a special project consistent with employment equity objectives. A senior, full-time, continuing position is to be created, said Lois Reimer, status of women officer.

Books

March

Crime and the Courts in England, 1660-1800, by J.M. Beattie (Princeton University Press; 768 pages; \$72 cloth, \$19.95 paper). An exploration of how the English courts dealt with crime between 1660 and 1800, the period during which the foundations of modern forms of judicial administration were being laid. Beattie argues that both the behaviour of those who broke the law and the responses of the authorities sprang from changes in society already under way in the middle 1600s and accelerating rapidly 150 years later.

A Short History of Ontario, by Robert Bothwell (Hurtig Publishers; 224 pages; \$24.95 cloth, \$13.95 paper). A study reflecting many of the most important themes in North American development and politics — the native peoples and their adjustment to the arrival of the Europeans, the division of loyalties of the American colonists, war between British and French and British and Americans, the rise and fall of the canal and railway industries, and the development of farmlands and subsequent move to an urban, industrial society.

February

Immune to Gravity, by Mary di Michele (McClelland & Stewart; 140 pages; \$9.95, paper). Di Michele's fifth collection of poetry.

Calderón and the Baroque Tradition, edited by Kurt Levy, Jesús Ara and Gethin Hughes (Wilfrid Laurier University Press; 168 pages; \$16.95). The outcome of a tricentennial commemoration of the 17th century Spanish poet and dramatist, Pedro Calderón de la Barca, this collection of essays relates the baroque artistic tradition to such aspects of Calderón's theatre as the use of music, mythology, costume, and his distinctive dramatic technique.



Portrait of W.B. Yeats done in 1886 by his father, J.B. Yeats

A new diploma

The style is contemporary classic. The design is by the University of Toronto Press. And the look is "simple, elegant and dignified," says the committee charged with re-designing the University of Toronto diploma.

The redesigned diploma and certificate were approved by the Academic Affairs Committee March 13. Graduates could receive them this year, if they can be produced in time and without too much additional cost.

The process of redesign began in September 1985 when then Provost Frank Iacobucci, responding to concerns that the current diploma looks inconsequential and does not enhance the University's prestige, appointed the committee. Members were Professors William Callahan, Robin Harris, Kenneth McNeill and Roger Savory and Alixe de la Roche. They

received help from Laurie Lewis of the Press and Ceremonials Assistant Kay Takenaka.

Although several committee members favoured a return to Latin for the diplomas, English carried the day. The wording remains the same, except for the addition of the University of Toronto heading in bold type.

The new diplomas — for undergraduate and graduate degrees and certificate programs — remain the same size as the current ones. The University seal is set to the left to give visual balance to the coat of arms.

The number of signatures has been reduced to a minimum. Only those of the president and the secretary of Governing Council are included.

The typeface used is helvetica, except for the name of the candidate and the title of the degree, which are in Zapf chancery.

Appearing for the Crown: A Legal and Historical Review of Criminal Prosecutorial Authority in Canada, by Philip C. Stenning (Brown Legal Publications; 450 pages; \$39.95 cloth, \$29.95 paper). Stenning examines the origins, development and modern legal conception of prosecutorial authority in Canada. The power and accountability of prosecutors and the relative rights of private citizens and public officials in invoking the criminal prosecution process are some of the issues reviewed.

The Collected Letters of W.B. Yeats, Volume I: 1865-1895, edited by John Kelly and Eric Domville* (Oxford University Press; 548 pages; \$48.75). This edition, to be published over the next decade in 12 or more volumes, will comprise the first definitive publication of Yeats' complete correspondence, public as well as private. Volume I contains some 350 letters and covers the first 30 years of the poet's life.

Learning and Development: A Global Perspective, edited by Alan Thomas* and Edward W. Ploman (OISE Press; 248 pages; \$18.50). A collection of papers given by international speakers at OISE's April 1985 First Global Learning Symposium. The collection, in English and French editions, underscores the belief that learning is crucial to human welfare and international development.

Catching Up
December

The Silence Afterwards: Selected Poems of Rolf Jacobsen, translated and edited by Roger Greenwald (Princeton University Press; 279 pages; \$26.50 cloth, \$9.95 paper). The first extensive selection of Jacobsen's poetry to appear in both Norwegian and English presents 96 poems drawn from all 11 books published to date by one of Scandinavia's great modern poets.

September

Le dialogue, edited by Pierre Leon and Paul Perron (Didier Canada; 180 pages; \$12). An examination of written (literary, philosophical, pedagogical) and spoken (conversation, interview, aphasic) dialogue within the framework of modern discourse analysis: rhetorics, didactics, linguistics, pragmatics, semiotics and neuro-semiotics.

U of T staff are indicated by an asterisk when multiple authorship or editorship includes non-U of T staff.



University of Toronto

This is to certify that

John Douglas Rose

has fulfilled the requirements of the University of Toronto and has been admitted under the authority of the Governing Council of the University of Toronto to the degree of

Bachelor of Arts

In witness whereof we have hereto subscribed our names and affixed the academic seal of the University

JUNE 8, 1986

George E. Connell
PRESIDENT

[Signature]
SECRETARY OF THE GOVERNING COUNCIL



Kalant receives award for drug dependence research

Professor Howard Kalant of the Department of Pharmacology and director of biobehavioural research, the Addiction Research Foundation, has been awarded the 1986 Nathan B. Eddy award for outstanding research efforts in the field of drug dependence.

The award will be presented by the Committee on Problems of Drug Dependence at its annual meeting at Tahoe City, California in June.

Kalant's studies on the mechanism of action and dependence properties of ethanol are internationally recognized as major contributions to the understanding of this drug. He was also selected for his contributions in the area of marijuana research.



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College should reach out, says New principal

by Judith Knelman

Edward Chamberlin, who was installed as principal of New College last week, believes that the college should reach out to the community. He was pleased when last month the college's women's studies and African studies programs brought in an audience of about 250, many from Toronto's West Indian community, to hear about West Indian poetry and black women writing in the Third World.

Chamberlin, 42, whose appointment began last July, is clearly dedicated to developing the image of the college as a place that takes account of what is going on in the outside world. He does not like to think of the University as separate and under siege. The recent conference, he said, was "an attempt to establish links with the community outside and to draw attention to the way in which the literature articulates some of the social and political concerns."

In many ways, his career reflects this attitude. "My interests are coming closer together," he observed in an interview to mark the installation. He was referring not only to his literary research but to a long-standing commitment to the rights of native peoples in North American society.

Though Ted Chamberlin earned a doctorate in the field of 19th century English literature, he is more interested these days in contemporary West Indian and Northern Irish writing because of the energy given

over in this time of crisis in these areas to the search for a distinctive voice in a distinctive language.

English, he says, is "troublesome", a corrupt language because it was used to convey colonial authority. Yet the Northern Irish and West Indian writers are stuck with it, since few in Ireland speak Gaelic and African languages never really took root in the West Indies. To stress their unique identity, West Indian writers use dialects and Northern Irish writers local diction — rhyming patterns that depend on distinctly Northern Irish accents, for example.

Chamberlin's interest in the preservation of native identities in literature is a product of childhood association with Indians in British Columbia, where he grew up. He recalls having seen Indian children being beaten by well-meaning white teachers for having spoken among themselves at recess-time in their own language. The message was that their language was not as good as ours and should therefore be abandoned.

As he grew up, he got summer work as a hunting guide and was struck by the difference between Indian reserves on the margins of developing industrial societies and those in the North, where society had not encroached to any marked degree. "The Indians located near industry were in desperate straits," he said, "but in the North their social and economic networks were intact."

In 1969, the year he got his PhD from the University of Toronto, the



New College principal Ted Chamberlin

federal government circulated a white paper suggesting that Canadian Indians should go it on their own. The unilateral way the proposal was made was not only outrageous, he says, but also unconstitutional and unwise.

He began teaching at University College in 1970, but when he was offered a chance to work as a policy adviser in the Department of Indian Affairs in 1972-73 he took a leave of absence from teaching.

"When I got to Ottawa, people were realizing that they'd better think through these issues," he recalls. "The issue of land rights had surfaced as well, and ultimately the government changed its position on aboriginal land rights."

Chamberlin had a contract to write a book on Oscar Wilde, the subject of his thesis. His publisher suggested he write another on how Indians were viewed and treated in North America. He went back to teaching and produced *The Harrowing of Eden: White Attitudes toward Native Americans in 1975 and Ripe Was the Drowsy Hour: The Age of Oscar Wilde in 1977*.

The book on Indians resulted in an invitation from Thomas Berger, commissioner for the Mackenzie Valley Pipeline Inquiry and an outspoken advocate of aboriginal rights, to be an adviser. This Chamberlin did in combination with his teaching at first, and then on a sabbatical in 1976-77, when the report was being written. Subsequently he served as an adviser to the Alaska Pipeline Inquiry, the Northern Pipeline Commission and the Alaska Native Review Commission.

He is now writing a book on Australian aboriginal land rights and another on West Indian and Northern Irish poetry. "I do them whenever I can, which is seldom these days. It's been a busy winter. I'm learning the job." His time is also being taken up by his position as an administration negotiator in the faculty salary discussions. "All the negotiating I've ever done had been in the field of Indian rights," he says. "But my approach is to find some common ground and move to a resolution that retains the necessarily distinct responsibilities of

each side."

He's finding New College responsive to his attitudes. "It's a remarkably genial, generous-spirited place. People are very enthusiastic." The tone of the place, he says, is quite distinct within U of T — but there is room for improvement.

He thinks undergraduates deserve more attention. The college system provides a focus for the development of a sense of the possibilities for undergraduate education, but more can be done, he says. "Students are overworked and overwhelmed with structured education. If all we do is put people through courses and departments, we're not doing enough. It's the colleges' responsibility to break down the structures. Students need to be encouraged to constantly examine what's happening to them, to ask themselves what it is they're doing as they follow along some disciplinary track."

Chamberlin feels the University is misguided in its fascination with graduate and professional education and faculty members' research activities. "The University is first and last an undergraduate institution. That's where our centre of gravity should be, our sense of mission. And we're just simply not doing the job. Part of the problem is structural, part financial. But it's more than that: the University is not applying imagination and resources to what it could be doing for undergraduates."

Father Kelly returns as adviser to McConica

Father John Kelly will return to the University next month to take up a permanent post in an advisory capacity to St. Michael's president Father James McConica.

Father Kelly will return in time for the visit of Cardinal Joseph Ratzinger to the college April 13. Father McConica says the college will take

advantage of the occasion to welcome Father Kelly back.

He has been reassigned by the superior general of the Basilian Fathers, Reverend Ulysse Pare. The reassignment comes after weeks of controversy surrounding the initial decision to post Father Kelly to the Henry Carr Farm near Bond Head, about 80 km. northwest of Toronto.

The former St. Michael's president will have a room and office at the college.

Although Father Kelly made no public protest at his departure from the college, friends speaking on his behalf indicated that they were displeased. Professor Robert O'Driscoll and other faculty members, alumni and students took up a petition in support of Father Kelly's return.

Father McConica said he was surprised by the reaction. "It was never anyone's intention that he should be banished from campus and sent off to a remote farm. I always expected he would continue to have a function at the college according to his capacity to help."

Father McConica said Father Kelly will advise him on issues of general policy development. "He's a very experienced man to have around," he said. Father Kelly will in all likelihood participate in the college's fundraising efforts.

Father McConica said the extent of Father Kelly's commitment will be determined by his health. "He can't be overloaded. The superior general is very concerned about that."



Faculty of Forestry
University of Toronto

Panel Debate

"Spruce Budworm
Spraying — Focusing
the Issue"

March 27, 1986 4:00 p.m.
203 College Street,
Fourth Floor Lounge

Panelists:

Mr. I.D. Bird, President

Ontario Forest Association

Mr. B.T. Hyer

Wildwaters Wilderness Shop Ltd.

Mr. J. Churcher, Pest Control Section

Ontario Ministry of Natural Resources

Professor C. Plowright

Institute for Environmental Studies

University of Toronto

Parker to give Gauss seminars at Princeton

Patricia Parker, professor of English and comparative literature and co-ordinator of the literary studies program at Victoria College, will give the prestigious Christian Gauss Seminars in Criticism at Princeton University next year.

The seminars, founded in 1949, have in the past been given by such noted scholars and writers as Hannah Arendt, Noam Chomsky, Lionel Trilling, Paul Tillich, Edmund Wilson and René Wellek.

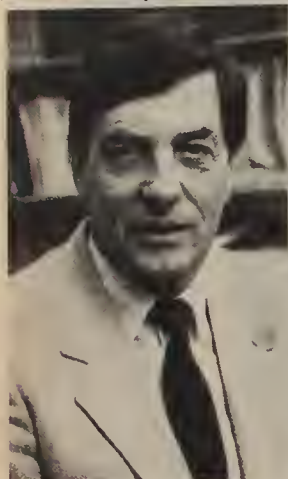
A recent recipient of a Killam senior fellowship, Parker has also been part of the invited faculty of the Folger Shakespeare Institute and the Department of Comparative Literature at Stanford University.

She is the author of *Inescapable Romance* (Princeton, 1979), *Literary Fat Ladies: Rhetoric, Gender, History* (Methuen, 1986), *Dilation and Delay: A Study in Shakespeare and the Renaissance* (forthcoming from Yale University Press) and a book on metaphor to be published by Methuen.

Appointments

Heinke to succeed Slemon as dean of engineering

Gerhard W. Heinke has been appointed dean of the Faculty of Applied Science & Engineering for a seven-year term beginning July 1. He succeeds Gordon Slemon, who has served as dean of the faculty since 1979.



Heinke was born in Austria, took his bachelor's and master's degrees in civil engineering at U of T and completed his PhD in chemical engineering at McMaster in 1969. His first appointment at U of T was as a lecturer in the Department of Civil Engineering in 1962. At the same time as his promotion to professor in 1974 he became chair of the department, a position which he held until 1984.

Since 1965, Heinke has been a consultant for various government departments, several industries and consulting engineering companies. He is a member of several technical committees and is chair of the NSERC Advisory Committee on Engineering 1984-86. He has supervised graduate students at the master's and doctoral levels, has published widely in his field, and has been awarded numerous grants and contracts related to his work on water and pollution control.

Faculty and university committees he has served on include the council of the Faculty of Forestry, the executive of the U of T Faculty Association and the Planning & Resources Committee, and he is currently coordinator for the cooperative agreement between King Saud University and U of T in engineering.

PhD Orals

Please contact the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

Thursday, March 27
Carolyn Hope Eyles, Department of Geology, "Sedimentation on Glacially Influenced Continental Shelves." Prof. A.D. Miall.

Monday, March 31
Evelyn Louise Forget, Department of Economics, "Price Formation and the Role of Expectations in Late-Classical Thought." Prof. S. Hollander.

Tuesday, April 1
Robert Frederick Mathews, Department of Education,

"Mirror to the Night: A Psycho-social Study of Adolescent Prostitution." Prof. J. Quarter.

Otto Roesch, Department of Anthropology, "Socialism and Rural Development in Mozambique: The Case of Aldeia Comunal 24 du Junho." Prof. R.B. Lee.

Thursday, April 3
Guojun Sun, Department of Aerospace Science & Engineering, "Optimization of Laminated Cylinders for Buckling." Prof. J.S. Hansen.

Friday, April 4
Thomas Jacobs, Department of Physiology, "Hemodynamics of Low Coronary

Flow in the Canine Heart." Prof. J. Grayson.

Monday, April 7
Ann Elizabeth Taylor, Institute of Medical Science, "The Neuropsychological Profile of Idiopathic Parkinson's Disease: Relationship to Severity, Patient Attributes, and Response to Treatment." Prof. J.A. Saint-Cyr.

Tuesday, April 8
Kang-Kau Bertrand Wong, Department of Education, "Economics, Ideology and Education in China after Mao." Prof. D. Livingstone.

RESEARCH NEWS

Health & Welfare Canada Investigators are reminded that the National Welfare Grants Division now has two deadlines only, *May 1* and *November 1*, for the following programs:

Research project;
Research group development;
Senior welfare research fellowships.

Form NHW 738(3-83) must be used for these applications. Please refer to the National Welfare Grants Reference Manual 1977 for more specific information.

Ontario Ministry of Health Applications to the Public Health Research & Development Program have a major deadline of *April 1*. Application forms and the ministry's revised booklet Health Research Grants and Awards 1986-87 may be obtained from ORA or the research office in the Faculty of Medicine.

Before bringing the application to ORA, please ensure that all the necessary signatures are on the application or the accompanying ORA 5. These may include chairman, dean, hospital director, college principal, co-investigator, computer approval and others. Individual departmental or faculty conditions should be accommodated before submission of the application to ORA for the sponsoring agency signature.

Investigators should also be aware that feasibility, formulation and workshop/conference applications may be submitted at any time.

Medical Research Council Members of the University community are invited to a meeting with Dr. Lewis Slotin, director of the programs branch, to be held 2.30 to 4 p.m. on Tuesday, April 1 at the Croft Chapter House, University College. Dr.

Slotin will talk about MRC programs and the effect of the recent budget decisions on the activities of the council.

National Cancer Institute of Canada

A number of changes have been made to the institute's funding support for 1986. Travel: effective April 1, the travel award will be \$500 plus 2.4 percent of the research award (excluding salaries and cost of equipment). Studentship and fellowship travel: the allocation for these awards has been increased to \$750. Stipend rates: effective July 1, the following rates will apply. Students paid out of grants: \$10,760; independent studentship awards: \$12,650; fellows paid out of grants: \$29,110; and independent fellowship awards: \$36,560.

Effective March 31, the institute's new address will be: 77 Bloor St. W., Suite 1702, Toronto, M5S 3A1; telephone 961-7223.

Upcoming Deadline Dates

Amyotrophic Lateral Sclerosis Society (US) — abstracts (for June 15 application): *May 1*. Atkinson Charitable Foundation — investigators in faculties other than medicine, deadline at ORA *April 20*.

Bickell Foundation — investigators in the Faculty of Medicine, contact Rosalind Bugala in the research office of the faculty for internal deadline; investigators in other faculties, deadline at ORA *May 1*.

CNIB — Ross C. Purse fellowship: *April 1*. Cummings Foundation — investigators in the Faculty of Medicine, contact Rosalind Bugala in the

research office of the faculty for internal deadline; investigators in other faculties, deadline at ORA *April 15*. (Supersedes previous information.)

Easter Seal Research Institute — research projects and research training grants: *April 15*.

Health & Welfare Canada (National Welfare Grants) — research projects, research groups development and senior welfare fellowships: *May 1*.

Leukemia Society of America — president's research development awards, short-term scientific awards: *April 1*.

Medical Research Council — studentships (renewal), development grants (cat. 1 renewal of salary), MRC groups preliminary proposals (new) and letters of intent (renewals), NIH international research fellowships: *April 1*.

Muscular Dystrophy Association (US) — requests for fellowship program and grant-in-aid applications: no later than *May 31* (for June 30 formal proposal deadline).

NCIC, Terry Fox Research Programs — project grants, equipment program for new investigators, expansion awards: *April 15*.

National Institute for Mental Retardation — research grants: *April 30*.

National Neurofibromatosis Foundation (US) — research grants: *April 1*.

Ontario Ministry of Health — research projects: *April 1*. Parkinson Foundation of Canada — research grants: *April 11*.

Queen Elizabeth Hospital Research Institute — research grants: *April 1*.

In Memoriam

Professor Stuart Donald Treadgold Robertson, Department of Electrical Engineering, Dec. 19.

His research interests were broad. While his early work focused primarily on electric power system protection, during his career he contributed in areas as diverse as electromagnetic field analysis, power electronic circuits and controlled electric drives. His work on torque pulsations in controlled induction motor drives became a classic in the field. In 1967 he was instrumental in establishing an electric vehicle research program that involved colleagues and students from the Department of Electrical Engineering. In the early 1970s, he worked with colleagues and students in electrical and mechanical engineering to produce the hybrid car Miss Purity I and the electric car Miss Purity II which competed successfully in several major test trials held in the United States. During the latter

methods and student affairs. He also served for some time as coordinator of graduate studies for the department.

His research interests were broad. While his early work focused primarily on electric power system protection, during his career he contributed in areas as diverse as electromagnetic field analysis, power electronic circuits and controlled electric drives. His work on torque pulsations in controlled induction motor drives became a classic in the field. In 1967 he was instrumental in establishing an electric vehicle research program that involved colleagues and students from the Department of Electrical Engineering. In the early 1970s, he worked with colleagues and students in electrical and mechanical engineering to produce the hybrid car Miss Purity I and the electric car Miss Purity II which competed successfully in several major test trials held in the United States. During the latter

part of his career, he became intensely interested in alternate energy sources for electric power generation.

He maintained a very active involvement within the professional community throughout his career. He was chairman of the Toronto Section of the Institute of Electrical and Electronics Engineers in 1974 and before that was student branch chairman for many years. Internationally, he served the International Electrotechnical Commission on a committee to establish standards relating to electric vehicles.

Professor Robertson was a character in the best sense of the word, a man of imposing stature and voice, of infectious confidence, who delighted in good company and had a capacity for enjoying life that was the envy of his friends.

Ian McCausland
Department of Electrical Engineering



The Faculty Club

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AUSSIE NIGHT

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FRIDAY, APRIL 18

6:30 p.m.

Reception featuring Australia's famous wines and beer and hors d'oeuvres

7:30 p.m.

Dinner — Roast lamb (of course!)

Guest speaker from the Australian Consulate
Films, including Qantas ads with Sydney, the koala

10 p.m. - 1 a.m.

Dancing — Emie and his music

Members and guests only

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Reservations 978-6325

*"Moomba" is aboriginal for "let's get together and have fun"

Nielsen recommendations threaten important sources of research funds

by Mark Gerson

Buried among the three million words produced by Erik Nielsen's Task Force on Program Review this month are recommendations that could damage U of T's research effort. "It's a haystack with some very nasty needles in it," says Geraldine Kenney-Wallace, chairman of the Research Board.

What worries her most, after only a quick read of the hundreds of pages related to higher education and research, is a proposal that the research sponsored by federal departments be either axed, moved into private hands or transferred to the research councils.

Some two dozen programs of grants, scholarships and fellowships worth \$55 million to universities in 1984-85 would be affected. Responsibility for about one-third would shift to the research councils — although it's not clear whether their budgets would follow them — another third would be phased out, some of the remaining third would move to industry sponsorship and the balance, a handful, would be maintained.

Threatened are programs administered by Environment Canada, in atmospheric and water resources research; the Department of Communications; the Department of Energy, Mines & Resources; the Department of Fisheries & Oceans; the Solicitor General, in criminology; and the Agri-food Branch of Agriculture Canada.

These cuts, says Kenney-Wallace, "would close down some very important sources of research funds, which, over the years, have been used as not just extra, but the absolutely critically needed backup funds for a lot of people's projects. That's not trivial; it's a disaster. And we're talking about a very wide-ranging effect."

One project that would be seriously affected is meteorologist Roland List's ground-breaking work in rain formation, which, says the physics professor, wouldn't have been possible without the support of Environment Canada's Atmospheric Environment Services (AES). According to List, 80 to 40 per cent of the research funding for meteorology at U of T comes from AES. The \$27,000 List got from AES this year "makes all the difference," he says, when added to his \$67,000 operating grant from NSERC.

Because there's no equivalent funding source, something will have to give if AES money dries up, he says. "We have high-tech facilities that are really unique in the world. But we could not keep up the standard of research, because we could not keep up the number of students, the number of technical staff or the post-doctoral fellows employed. There just would not be enough money. And without them, I wouldn't have the same research capability and couldn't do as good a job as I do now."

Says Kenney-Wallace: "We have to respond swiftly and firmly to point out that you just cannot cut off yet another source of research funds. If the research is mediocre or second- or third-rate, then it should be cut off — it doesn't matter where the funds are coming from. But when you have a world-class researcher like Roland List suddenly discovering that funds could dry up, that's absolutely unacceptable and I don't know what on earth this government thinks it's doing."

Christian Pouyez, executive director

of the Social Science Federation of Canada, is worried that if less research is financed by government departments, "more of the burden will be placed on the shoulders of the research councils," which have been promised no extra funds to fill the gap. In fact, the task force recommended that the federal government give them stronger policy direction, freeze their budgets at 1984-85 levels and only provide additional funds "subject to specific policy direction".

Of the 989 federal programs scrutinized by the Nielsen task force, more than 75 touch higher education and research in some way. The task force made few solid recommendations, choosing instead to present several options and occasionally labelling one "preferred".

If those preferred options are implemented, the government would • re-evaluate the EPF arrangement and consider withdrawing completely from all post-secondary support programs except those related to research. Even if it keeps its hand in higher education, it was told not to increase its support for universities and university-based research • get out of the student assistance business, contributing the relevant funds to provincial financial aid plans • contract out to universities and industry much of its in-house research, as well as the "management and operation" of some of its laboratories and research centres on a pilot-project basis

University groups have been slow to respond to the report because of its complexity and ambiguity. "Some recommendations seem sensible," says Ron D. Levesque, acting executive secretary of the Canadian Association of University Teachers, "but their impact won't be known until policy details are released. The intent of many of them is unclear," he says.

For example, while the task force called for a "strong and balanced system" of higher education and research, it refused to recommend an increase in federal support, proposing only that existing funds be redirected and better targeted. "In spite of the heartfelt concern of the academic community," it said, "there are no objective measures to prove that the system has been significantly damaged by recent stringency in funding." At the same time, it found "no objective measures which demonstrate that the system is overfunded."

The task force also called on research councils to "pay the total cost of performing research, including incremental overhead," but failed to indicate where the necessary money — estimated by researchers at an additional 50 per cent — would come from. Unless the government increases agency budgets accordingly, Pouyez says, larger awards for some projects would mean none for others.

That may be just what the task force has in mind. Higher grants to fewer researchers would focus resources on excellence, it told NSERC. It also called the council's request, in its five-year plan, for a \$1.6-billion base-budget increase "not appropriate at this time."

Among its other recommendations affecting the research councils was one calling for an expanded Medical Research Council, renamed the Health Research Council, to take over all federal health research support programs, including those administered

by the two other councils and by Health & Welfare Canada.

It called for more "balanced representation" from all sectors of the research community, including government and industry, on committees of the Social Sciences & Humanities Research Council, which, it said, consist primarily of academic personnel who may have "vested interests" in the awards they distribute.

The task force also proposed that all three councils share administrative services to reduce costs, and make new grants available for interdisciplinary research, interuniversity projects and young scholars.

On federal transfer payments, worth \$4.5 billion in cash and tax points in 1985-86, the task force presented four options — all of which have been mentioned recently by one inquiry or another — without strongly recommending any.

• Maintain the existing EPF arrangement, perhaps tinkering with the formula • Withdraw completely from post-secondary education, except the financing of university research, because "federal involvement has only created contention". Besides, it said, the federal government has no constitutional obligations in the area, and the university expansion that first prompted its involvement has ended • Tie grants to the provinces to certain national objectives or financing levels • Make direct grants to students through tuition vouchers or income tax credits

Whichever route the government

takes, it is "absolutely essential" that the provinces be consulted "fully and cooperatively," said the task force.

It criticized the existing arrangement because it sets no objectives and "encourages each order of government to blame the other for any apparent deficiencies in the level of funding." But it warned of "enormous" provincial opposition to anything but the status quo, and strenuous objections by university groups to both tuition vouchers and to any lessening of federal support.

Among its other recommendations:

• Eliminate the federal sales tax refund on education-related construction; the sales tax exemption on books, periodicals, classroom furniture, scientific apparatus and teaching aids; the postal subsidy for books and periodicals; and income tax exemptions for registered education savings programs • Base financial aid to scholarly journals on "marketing and management incentives to publishers rather than deficit funding" • Close campus Canada Employment Centres in metropolitan areas • End all subsidies for second-language instruction, but maintain those for minority-language education • Reorganize its international development programs and commission an in-depth study on foreign students • Stop paying salaries to students at the three military colleges, and begin recruiting university-educated personnel instead of subsidizing the university education of existing staff



Dynamic graphics equipment

Xerox Canada executives and U of T administrators tour the dynamic graphics lab of the Computer Systems Research Institute (CSRI) last week for demonstrations of computer equipment valued at \$300,000 donated by Xerox. The donation includes artificial intelligence workstations, servers, a laser printer, Ethernet local network and software. The Dynamic Graphics Project group, formed in 1966, is well known for its research on animation and modelling techniques, interface design and computer program visualization. Seen here at CSRI are (l. to r.) Vice-President (Institutional Relations) David Cameron, computer science graduate student Brad Myers (seated), CSRI research scientist Bill Buxton, Xerox president David McCamus, President George Connell and Roy Diggie, manager, advanced systems group, Xerox Canada. The Xerox University Grant program was established in 1984 to promote basic and applied research and to develop teaching capabilities within specific areas. In addition to the Dynamic Graphics Project, grants have been awarded to the Department of East Asian Studies and to the Dictionary of Old English project.

WATCH FOR
WEEKLY SPECIALS
TO LONDON, PRESTWICK,
MANCHESTER!



For All Members of the University of Toronto Community
From: Scott Buck, President SAC

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Scott Buck
Scott Buck, President SAC

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Depart Between:	from Toronto	from Montreal
01 Jun - 31 May	\$688	\$638
31 May - 20 Jun	738	738
21 Jun - 10 Aug	838	838
11 Aug - 14 Sep	788	738
15 Sep - 12 Dec	688	638
13 Dec - 24 Dec	788	738

- Canadian citizens between 12 and 15 years of age
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01 Mar 11 May	429	379				
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09 Jun 20 Jul	489	459	499	549		
21 Jul 07 Sep	509	499	539	599	549	
08 Sep 05 Oct	489	459	499	549	499	459
06 Oct 24 Oct	449	439	459	549	499	449

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Depart Between:	
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01 Apr - 31 May	329
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21 June - 10 Aug	349
11 Aug - 21 Sep	329
22 Sep - 30 Oct	319
31 Oct - 12 Dec	299

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Depart Between:	
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31 May - 20 Jun	665
21 Jun - 10 Aug	715
11 Aug - 14 Sep	665
15 Sep - 12 Dec	615
13 Dec - 24 Dec	665
25 Dec - 31 Dec	615

DEPARTURES: From Toronto - Any Monday, Wednesday or Wednesday
From Montreal - Any Monday or Wednesday
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Events

Lectures

Dal "volgare" di Dante all' "italiano" moderno.

Monday, March 24
Prof. Stefania Ciccone, University of British Columbia; spring lecture series in the humanities. H-310 Scarborough College. 9 a.m.

Research Strategies in Information Science.

Monday, March 24
Prof. Thomas D. Wilson, University of Sheffield. 7th floor lounge, Claude T. Bissell Building. 3 to 5 p.m. (Library & Information Science)

Acadia: From Oral to Written Culture.

Monday, March 24
Antenine Maillet, author and playwright; Women's Centenary lecture. George Ignatieff Theatre, Trinity College, Devonshire Place. 4 p.m.

Secularisation and the Sikh Religious Tradition.

Monday, March 24
Prof. T.N. Madan, Institute of Economic Growth, Delhi. 140 University College. 4 p.m. (South Asian Studies)

On Being Old in the 20th Century.

Monday, March 24
Prof. Margaret Dimond, University of Utah; 1985 Rosenblatt professor of health research. Faculty of Nursing, 2 Russell St. 8 p.m.

Autonomic Control Systems.

Role of Ventral Lateral Medulla Oblongata in Respiratory and Autonomic Regulation.
Tuesday, March 25
Prof. David E. Millborn, University of North Carolina.

Neural Control of Respiration.

Tuesday, April 1
Prof. Albert J. Berger, University of Washington. Neuroscience series. 2172 Medical Sciences Building. 5 p.m.

Comparative Relapse Rates Following Treatment with Cognitive Therapy and Pharmacotherapy in a Population of Depressed Outpatients.

Wednesday, March 26
Dr. Steven D. Hollon, Vanderbilt University. Auditorium, Clarke Institute of Psychiatry. 12 noon. (Psychiatry)

Let There Be Light: Modern Cosmogony and Biblical Creation.

Wednesday, March 26
Prof. Owen Gingerich, Harvard University. 102 McLennan Physical Laboratories. 8 p.m. (Canadian Scientific & Christian Affiliation at U of T)

Resurgence of the Peace Movement.

Wednesday, March 26
Robert Penner, Toronto Disarmament Network. 179 University College. 8 p.m. (Science for Peace, Physicians for Social Responsibility & Lawyers for Social Responsibility)

Arts Funding: A Handout or an Investment? The Dynamics of the Public Trough.

Thursday, March 27
Walter Fitman, Ontario Arts Council; spring lectures in the humanities series. H-130 Scarborough College. 11 a.m. to 1 p.m.

Strategic Planning for Integrated Office Systems.

Thursday, March 27
Don Tapscott, DMR Associates; brown bag lunch lecture. 7th floor lounge, Claude T. Bissell Building, 140 St. George St. 12 noon to 1.30 p.m. (Cooperative on Information Technology)

Spiritual Concerns of Ottomans Jewry.

Monday, March 31
Prof. Joseph Hacker, Hebrew University, Jerusalem. Room 323, 280 Huron Street. 3 p.m. (Near Eastern Studies and Centre for Religious Studies)

Architecture and Imagination.

Architecture Set Free: Gardens and Organic Architecture.

Monday, March 31

Architecture and Power: Monuments, Memorials, Fortifications.

Tuesday, April 1

Anti-Architecture: Ruins and Mock-Ruins, Technology and Mock-Technology.

Wednesday, April 2

Architectural Fictions: Painted, Scenic and Unbuildable.

Thursday, April 3
Robert Harbison, The Architectural Association, London, Eng.; Teetzel lectures. 140 University College. 4.30 p.m. (UC)

The 27th Soviet Communist Party Congress and Prospects for Arms Control.

Wednesday, April 2
Prof. Franklyn Griffiths, Department of Political Science. 179 University College. 8 p.m. (Science for Peace, Physicians for Social Responsibility and Lawyers for Social Responsibility)

Mind and Matter Lecture Series.

Wednesday, April 2

Nations in the News. China Today: New Leaders, New Policies. Prof. Peter Mitchell, York University.

A Focus on Canadian Business.

Free Trade — A Threat or a Stimulus to the Canadian Economy? Debate with Marjorie Cohen, National Action Committee on the Status of Women, and John C. Wilson, Woods Gordon.

First in series of three; following lectures April 9 and 16. Victoria College. 8 p.m.

Registration fee, series \$20, students and senior citizens \$12; single \$8, students and senior citizens \$4.

Information and registration: Victoria College Alumni Office, 978-5813.

Neuronal Mechanisms in Experimental Amblyopia.

Friday, April 4
Prof. Max Cynader, Dalhousie University; annual Clement McCulloch lecture. West room, Academy of Medicine, 288 Bloor St. W. 5 p.m. (Ophthalmology)

The Chaos of Subjectivity in the Ordered Home of Objectivity.

Monday, April 7
Prof. Kathy Rockhill, Ontario Institute for Studies in Education; Popular Feminism lecture and discussion series. 3-311 Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m. (Women's Studies in Education, OISE)

Education, Freedom and the Democratic Tradition.

Monday, April 7
Norman M. Goble, World Confederation of Organizations of the Teaching Profession, Geneva; R.W.B. Jackson lecture. Auditorium, Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m. (OISE)



"Who Revised the Pilgrimage of the Life of Man?"
by Prof. Marguerite Stobo, April 4. See Seminars for details.

Colloquia

CREES Colloquium on the 27th Congress of the CPSU.

Wednesday, March 26
Profs. Alan Abouchar, Timothy Colten, Franklyn Griffiths, John Keep, Donald Schwartz, Norman Shneidman and Peter Solomon, Centre for Russian & East European Studies. 3060 Sidney Smith Hall. 2 p.m.

The Galileo Affair.

Wednesday, March 26
Prof. Owen Gingerich, Harvard University. South Sitting Room, Hart House. 9 p.m. (Canadian Scientific & Christian Affiliation at U of T)

Neurobiological Aspects of Hemispheric Specialization.

Wednesday, March 26
Prof. Sandra Witelson, McMaster University. 2135 Sidney Smith Hall. 4.15 p.m. (Psychology)

Single Atoms in Cavities.

Thursday, March 27
Prof. J. Eberly, University of Rochester. 102 McLennan Physical Laboratories. 4 p.m. (Physics)

Rings of Uranus.

Thursday, April 3
Prof. Scott Tremaine, Canadian Institute of Theoretical Astrophysics. 102 McLennan Physical Laboratories. 4 p.m. (Physics)

Re-examining the Confucian Way: Trends in Confucian Scholarship.

Friday, April 4
John Berthrong, United Church of Canada. Religious Studies Lounge, 14-352 Roberts Library. 1 p.m. (Centre for Religious Studies)

Governing Council & Committees

Research & Academic Services Subcommittee.

Monday, March 24
Board Room, Simcoe Hall. 4 p.m.

Admissions, Curriculum & Standards Subcommittee.

Wednesday, March 26
Council Chamber, Simcoe Hall. 4 p.m.

Committee on Campus & Community Affairs.

Tuesday, April 1
Council Chamber, Simcoe Hall. 4 p.m.

Academic Affairs/Planning & Resources Committee.

Joint meetings to consider submissions re Faculty of Architecture & Landscape Architecture. Council Chamber, Simcoe Hall.

Monday, March 31

2 to 4 p.m.

Thursday, April 3

7 to 9 p.m.

Saturday, April 5

9.45 a.m. to 12 noon and 1.30 to 4.30 p.m.

Tuesday, April 8

2 to 4 p.m.

Events deadlines

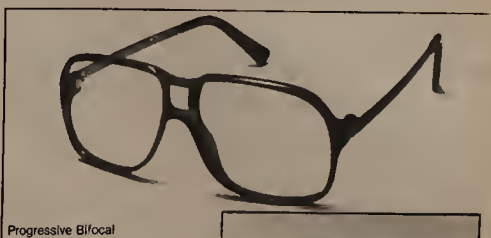
Please note that information for Events listings must be received in writing at the Bulletin offices, 45 Wilcocks St., by the following times:

Events taking place April 7 to April 21:
Monday, March 24

Events taking place April 21 to May 5:
Monday, April 7

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IMPERIAL OPTICAL CANADA

Events

Seminars

Cultural Policy.

Canada's Broadcasting Policies.
Monday, March 21
Peter Herndorf, Toronto Life.

The Dilemmas of Cultural Policy: A National Dream with Provincial Jurisdiction; and Government Support with an Arms Length Relationship.
Monday, March 21
Timothy Porteous, formerly Canada Council.
Public policy workshops.
3050 Sidney Smith Hall. 4 to 6 p.m.
(Political Science)

Technology in Rehabilitation.
Monday, March 21
Prof. M. Milner, Department of Rehabilitation Medicine.
330 Benson Building. 4 p.m.
(P&HE)

Images of India in American Anthropology.
Tuesday, March 22
Prof. T.N. Madan, Institute of Economic Growth, Delhi.
3050 Sidney Smith Hall.
3 p.m.
(South Asian Studies)

The Post-Structuralist Challenge to the Ideal of Community.

Wednesday, March 23
Prof. Drucilla Cornell, University of Pennsylvania Law School; legal theory workshop. Sclarium, Falconer Hall. 12.10 to 1.45 p.m.
Copy of paper in advance \$3 (includes lunch) from Diana Koczka, Faculty of Law, 978-6767.

The Politics of Old Age Security.

Wednesday, March 23
Prof. John Myles, Carleton University. 104 McMurich Building, 12 Queen's Park Cresc. W. 3 to 5 p.m.
(Gerontology)

Adaptive Radiation in Hawaiian *Bidens*.
Wednesday, March 23
Prof. Fred R. Ganders, University of British Columbia. Room 7, Botany Building. 3.30 p.m.

Structural Analysis of Plant Genes.

Thursday, March 27
Dr. Joachim Messing, State University of New Jersey, Rutgers University and Waksman Institute of Microbiology, Piscataway, NJ. 3171 Medical Sciences Building. 1 p.m.
(Microbiology)

Alzheimer's Disease.

Thursday, March 27
Prof. Donald Crapper-McLachlan, Department of Physiology, 2082 South Building, Erindale College. 5.10 p.m.
(Biology, Erindale)

The Politics of Take-Over Regulation: A View from the States.

Wednesday, April 2
Prof. Roberta Romano, Yale Law School; law and economics workshop. Solarium, Falconer Hall. 12 noon to 1.45 p.m.
Copy of paper in advance \$3 (includes lunch) from Diana Koczka, Faculty of Law, 978-6767.

The 26 lb. Pencil: Is Television Real?

Wednesday, April 2
Peter Gzowski, Canadian Broadcasting Corporation; What's News series. Coach House, 39A Queen's Park Cresc. E. 7.30 p.m.
(McLuhan Program)

Models of Cochlear Function.

Thursday, April 3
Dr. R.V. Harrison, Department of Medicine. 412 Rosebrough Building. 1 p.m.
(Biomedical Engineering)

Eicosanoids as Regulators of Islet Hormone Secretions.

Thursday, April 3
Dr. Sumer Pek, University of Michigan, Ann Arbor. Basement level, McMaster Building, Hospital for Sick Children, 180 Elizabeth St. 5 p.m.
(Banting & Best Diabetes Centre)

The Ecology of Papua-New Guinea.

Thursday, April 3
Brent Tegler, Department of Botany. 2082 South Building, Erindale College. 5.10 p.m.
(Biology, Erindale)

Who Revised the Pilgrimage of the Life of Man?

Friday, April 4
Prof. Marguerite Stobo, Department of Religious Studies. 321 Pratt Library, Victoria College. 2 p.m.
(Reformation & Renaissance Studies)

Ovid and Greek Epigram.

Friday, April 4
Prof. John Yardley, University of Calgary. 148 University College. 3.10 p.m.
(Classics)

"Under Law": Structural Analysis and the Pauline Concept of Law in Galatians 3:21-4:11.

Friday, April 4
Linda Belleville, graduate student, Wycliffe College. Boardroom, Toronto School of Theology. 3.10 p.m.

Iron, Siderophores and Aquatic Microbes.

Friday, April 4
Prof. Charles Trick, Institute for Environmental Studies. Room 7, Botany Building. 3.30 p.m.

Psychomotor Profiles of Selected Athlete Groups.

Monday, April 7
Prof. Peter Klavara, School of Physical & Health Education. 330 Benson Building. 4 p.m.
(P&HE)

Computer Literacy.

Monday, April 7
Prof. Ivan Kalmar, Department of Anthropology; Problems in Literacy series. Coach House, 39A Queen's Park Cresc. E. 7.30 p.m.
(McLuhan Program)

Meetings & Conferences

Neuroplasticity, Learning and Memory.

Tuesday, March 25
Conditioning Specific Modification of Membrane in Mollusc and Mammal. Prof. Daniel Aikon, Lab of Biophysics, Woods Hole. 10 a.m.
Identification of an Essential Memory Trace Circuit in the Mammalian Brain. Prof. Richard Thompson, Stanford University. 11.30 a.m.
The Origin and Neurological Foundations of Memory. Prof. Larry Squire, University of California, San Diego. 2.40 p.m.
Site Fragility Theory of Chunking and Consolidation. Prof. Wayne Wickelgren, University of Oregon. 4 p.m.
Profs. Ted Petit, Psychology, Scarborough College, Ian Brown, Zoology, Scarborough College, D.L. Schacter, Department of Psychology, and Dan McLachlan, Department of Physiology, will present and discuss their research. H-305 Scarborough College. 9.45 a.m. to 6 p.m.
Information: 284-3243.
(Life Sciences Scarborough, SAC, SCSC, Novopharm Pharmaceuticals, Ciba Geigy Canada and Chandru Jay Kripplani)

The Coming Reformation in Science.

Thursday, March 27
University Prof. Ursula Franklin, Department of Metallurgy & Materials Science; meeting of Toronto chapter, Sigma Xi. Combination Room, Trinity College. 12.30 p.m.

Spruce Budworm Spraying Focusing the Issue.

Thursday, March 27
Panelists: I.B. Bird, Ontario Forest Industries Association, B.T. Hyer, Wildwaters Wilderness Shop Ltd., Joe Churcher, Ministry of Natural Resources, and Prof. R.C. Plowright, Institute for Environmental Studies. Fourth floor lounge, 203 College St. 4 p.m.
(Forestry)

Ophthalmology Research Day.

Friday, April 4
Papers on current research interests. See lectures for details on Clement McCulloch lecture. Academy of Medicine, 288 Bloor St. W. 8 a.m. to 6 p.m.
Information: Dr. John A. Parker, 597-0004.

Community Health Day.

Friday, April 4
Who Decides What Is an Acceptable Risk? 9.30 a.m.
Rhetoric and Reality in Health Promotion. 11 a.m.
The Canada Health Care Act - Health Policy in a Heated Climate. 2 p.m.
Undergraduate Community Health: Putting "The Curriculum" Back into the Curriculum. 3.30 p.m.
Debates Room, Hart House. Information: Dr. I. Kalnins, 978-8666.
(SGS Faculty/Student Relations Fund and Orthopharmaceutical (Canada) Ltd.)

Japan: Yesterday and Today.

Saturday, April 5
Concurrent sessions:
Traditional Japan: Intimate Space; Modern Japan: Media and Politics. 10 a.m. to 12 noon.
Concurrent sessions: Traditional Japan: Sacred Space - Social Space; Modern Japan: Computer Technology. 1.30 to 3.30 p.m.
Keiko, Japanese feature film. 3.30 p.m.

Sunday, April 6
Concurrent sessions:
Traditional Japan: Landscapes and Mindscapes; Modern Japan: The Price of the Miracle. 9.30 to 11.30 a.m.
4th annual Ontario Japanese speech contest. 2 to 5 p.m.
Registration fee \$50.
Registration and information: School of Continuing Studies, 978-2400.
(Near Eastern Studies, Continuing Studies and Japan Foundation)



Scarborough College presents a symposium on Neuroplasticity, Learning and Memory March 25. See details above.

Music

EDWARD JOHNSON BUILDING FACULTY OF MUSIC

U of T Concert Choir.
Monday, March 24
Robert Cooper, conductor. Walter Hall. 8 p.m.
Tickets \$3.

Student Chamber Music Groups.
Thursday, March 27
Thursday, April 3
Thursday noon series. Walter Hall. 12.10 p.m.

U of T Early Music Ensemble.
Thursday, April 3
Walter Hall. 8 p.m.
Tickets \$3.

Pierre Souvairan, Piano, with Orford String Quartet.

Friday, April 4
Walter Hall. 8 p.m.
Tickets \$3.

U of T Symphony Orchestra.
Saturday, April 5
Michael Tabachnik, conductor; Laura Stephenson, harp. MacMillan Theatre. 8 p.m.
Tickets \$8, students and senior citizens \$5.

U of T Wind Symphony.

Sunday, April 6
Melvin Berman, conductor. MacMillan Theatre. 3 p.m.
Tickets \$3.

Information on all events in the Edward Johnson Building available from the box office, 978-8744.

ROYAL CONSERVATORY OF MUSIC

Royal Conservatory Orchestra.
Wednesday, March 26
Conductors Workshop. Church of the Redeemer, Bloor and Avenue Rd. 8 p.m.
Tickets \$9.50 and \$5.50; students, senior citizens and handicapped \$7 and \$4.50.
RCM box office, 978-5470.

Information on all Conservatory concerts available from publicity office, 978-3771.

Scarborough College Chorus.
Sunday, April 6
Michael Coghlan, director; last of five Sunday Serenade concerts. Meeting Place, Scarborough College. 3 p.m.

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Events



Padua and Milan are the last two in a series of six video presentations on the cities of Italy. See Films for details.

Exhibitions

Justina M. Barnicke Gallery, Hart House.
To March 27
 East Gallery: Hart House art competition.
 West Gallery: 64th annual Hart House Camera Club exhibition.
April 3 to May 1
 East Gallery: Josepha van den Anker, installation paintings.
 West Gallery: Michael Torosian, photographs.
 Gallery hours: Tuesday-Saturday, 11 a.m. to 6 p.m.

Thomas Fisher Rare Book Library.
To March 31
 Journey from the East, the life and times of Mark Gayn.
Erindale College.
To April 6
 Judith Sandford, paintings.
 Gallery hours: Monday-Friday 11 a.m. to 7 p.m.; Saturday-Sunday 12 noon to 5 p.m.

Scarborough College.
April 6 to 18
 Work by graduating studio art specialists.
 Gallery hours: Monday-Thursday 9 a.m. to 7 p.m.; Friday 9 a.m. to 5 p.m.; Sunday 2 to 5 p.m.

Robarts Library.
To March 31
 Palestine in 1927, photo essay of urban, village and desert life by Luciano Morpurgo; presented by Jewish Students' Union and B'nai Brith Hillel Foundation at U of T Main display area.
To March 31
 Arthritis Society. Sponsored by Services to Disabled Persons. South lobby display case.

Films

Interrogation (Przesluchanie).
Monday, March 24
 Followed by meeting with director Richard Bugajski; Polish with English subtitles.
 179 University College. 3 to 6 p.m.
 (Slavic Languages & Literatures)

Cities of Italy.
Padua.
Monday, March 24
Milan.
Wednesday, April 2
 Last two in series of six video presentations. Room 6, Northrop Frye Hall, Victoria College. 12.15 p.m.

Innis Film Society.
Wednesday, March 26
 The Man Who Evaded Women, by Yvonne Rainer.
 Little Stabs of Happiness, by Ken Jacobs.
 Gloria!, by Hollis Frampton.
 Canadian premiere.
 (Canadian Filmmakers Distribution Centre and Bart Testa)

Thursday, April 3
 Foxes, Jay Scott, *The Globe & Mail*, lecture after screening.
 Innis College Town Hall.
 7.30 p.m.

Plays & Readings

The Lion in Winter.
March 26 to 29
 By James Goldman; St. Michael's College Drama Society production. St. Michael's Theatre, Alumni Hall, 121 St. Joseph St.
 8 p.m.
 Tickets \$6, students and senior citizens \$3.
 Reservations: St. Michael's Theatre box office, 926-7133, 11 a.m. to 3 p.m.

The Playboy of the Western World.
April 1 to 6
 By J.M. Synge. Fifth of six plays in Graduate Centre for the Study of Drama studio season. Robert Gill Theatre, Koffler Student Services Centre. Tuesday to Saturday 8 p.m.; Sunday matinee 2 p.m.
 Tickets \$5, students and senior citizens \$3.
 Reservations: Monday to Friday 11 a.m. to 5 p.m., 978-6668; performance box office opens one hour prior to curtain time, 586-7986.

A Cast of Thousands
 By Conor Jones.
The Actor's Nightmare
 By Christopher Durang.
April 3 to 5
 Two one act plays. TV Studio One, Scarborough College.
 8 p.m.

Governing Council election results 1986

The results of the 1986 elections for Governing Council have been announced by Susan Girard, chief returning officer.

Teaching Staff
Constituency III (2 seats, one open)
 Professor Bernhard Cinader (288)
 Professor John E.F. Hastings (213)
 Dr. Neil Harding McAlister (131)

Administrative Staff
Constituency I (2 seats, one open)
 Judith Gilliland (1,280)
 Randy Russell (354)

Students
Full-Time Undergraduate
Constituency I (2 seats)
 Peter Baugh (103)
 Brian Burchell (284)
 Helen Christodoulou (137)
 Dave K. Chung (59)
 Jeff Coatsworth (56)
 Catherine L. Drillis (69)
 Maxwell Evans (81)
 Lorie Gower (269)
 Jerry W. Ho (91)
 Avi Hyman (78)
 Ian Johansen (111)
 Anne-Marie Kinsley (336)
 Atul Kohli (22)
 Tommy Lee (110)
 Ron Miller (58)
 Bill Mohri (105)
 David R. Oliver (44)
 Paul Paton (158)

David Pitman (96)
 Salim Rashid (53)
 Garth Sam (238)
 Hanif Sarangi (94)
 Geoff Scott (111)
 Gideon Sheps (74)
 Carol Sugden (147)
 Douglas G. Tisdall (76)
 Arthur Trotman (64)
 Samuel Weber (54)
 Ian Willison (97)
Constituency II (2 seats)
 Mike Bilaniuk (494)
 Lillian Chu (396)
 Kevin Dancy (121)
 Dave Evans (73)
 Soraya Farha (261)
 Steven Junger (157)
 Paul A. Taylor (121)

Part-time Undergraduate
Constituency I (2 seats)
 Ramses Bissada (179)
 Claire Johnson (658)
 Richard Martin (297)
 David Power (362)

Graduate
Constituency I (1 seat)
 Fawn Currey (162)
 Bob Kemp (136)
 Andrew Taylor (101)

Constituency II (1 seat)
 Nick Bilaniuk (331)
 Cathy Laurier (497)

Personnel News

Seminars and courses
 The following staff training and development program has been especially designed to meet the needs of the University of Toronto staff. For more information please call Elaine Preston at 978-6496.

Introduction to Supervision
 (five days)
 Exploring the supervisory responsibilities of hiring, salary administration, training, safety, performance reviews and time management.
 May 2, 7, 9, 14, 16

Educational Assistance
 Inquiries regarding applications for financial assistance towards the costs of outside seminars, courses and programs at U of T or other institutions can be made to Elaine Preston at 978-6496.

Federal budget
 Effective July 1, 1986, a surtax of three percent will be imposed on the basic federal tax of all individuals. This will result in additional withholding taxes being taken from employment income earned. The July 1986 payments will reflect this additional deduction at source. Those making instalment payments should take the surtax into consideration. The new surtax is in addition to the temporary surtax which is now in place and has been withheld from salary payments since January 1986. The temporary surtax is scheduled to expire at the end of the 1986 calendar year. The new three percent

surtax has no expiry date attached and is therefore expected to continue into 1987. For 1986, the combined rate of the two surtaxes will be: 1.5 percent on the first \$6,000 of basic federal tax paid, 6.5 percent on basic federal tax between \$6,000 and \$15,000, and 11.5 percent on basic federal tax in excess of \$15,000.

Deferred compensation plans, such as the Employee Benefit Plan, have been disallowed. The government believes that such plans provide an unintended tax deferral to certain groups, primarily those employed by tax exempt organizations.

Job Openings
 Below is a partial list of job openings at the University. The complete list is on staff bulletin boards. To apply for a position, submit a written application to the Personnel Department.
 (1) Sylvia Holland; (2) Steve Dyce; (3) Varujan Gharakhanian; (4) Christine Marchese; (5) Laureen Brown; (6) Mirella Talario; (7) Lisa Raftis.

Applications Programmer Analyst II
 (\$23,850 - 28,060 - 32,270)
 Preventive Medicine & Biostatistics (3), U of T Press Downsview (5)

Applications Programmer Analyst III
 (\$29,380 - 34,570 - 39,760)
 Information System Services (3)

Applications Programmer Analyst IV
 (\$36,220 - 42,610 - 49,000)
 Information System Services (3)

Applications Programmer Analyst V
 (\$38,270 - 45,020 - 51,770)
 Information System Services (3)

Building Services Officer II
 (\$29,380 - 34,570 - 39,760)
 Physical Plant (1)

Clerk Typist III
 (\$15,930 - 18,740 - 21,550)
 Biochemistry (9)

Human Resource Officer II
 (Personnel Officer II)
 (\$30,970 - 36,440 - 41,910)
 Royal Conservatory of Music (1)

Laboratory Technician I
 (\$15,930 - 18,740 - 21,550)
 Obstetrics & Gynaecology (1)

Laboratory Technician II
 (\$19,450 - 22,880 - 26,310)
 Banting & Best Medical Research (9), Pathology (1), Erindale (9)

Purchasing Officer III
 (\$29,380 - 34,570 - 39,760)
 Purchasing (3)

Secretary IV
 (\$21,480 - 25,270 - 29,060)
 Pathology (1)

Systems Software Programmer III
 (\$36,220 - 42,610 - 49,000)
 Computing Services (3)

Re-Tooling and Re-Schooling the Workforce

What are the various responsibilities of our colleges and universities, and of employers, unions and government? Join our panel in a discussion.

Wednesday March 26 — 8 p.m.

Hon. Gregory Sorbara Minister, Colleges and Universities
 Ray Hainsworth Educational Director,
 Ontario Federation of Labour
 Arthur Kruger Principal, Woodsworth College,
 University of Toronto
 Milton Orris Dean, Continuing Education,
 Ryerson Polytechnical Institute

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WOODSWORTH COLLEGE UNIVERSITY OF TORONTO

Emphasis on PTR sends 'bizarre' message

After stalling for over two months, the University has finally tabled its terms in this year's negotiations with UTFA (*Bulletin*, Feb. 24). It is important that faculty members and librarians appreciate the full implications of these terms for their long-term career and economic well-being.

(1) Since the establishment of the PTR system in the early 1970s, both the University and UTFA have tacitly as well as explicitly accepted that the role of *economic increases* was to compensate colleagues for inflationary erosion while that of *PTR increases* was to recognize merit through career progress through the ranks. Even in years when the negotiated economic increase fell short of the rate of inflation, there was no retreat from this principle. Now the University seeks to renege on this principle by insisting that unlike anywhere else in the public sector, at this university PTR must have a primary role in providing protection from inflation.

The conceptual chasm between these two opposed principles is unbridgeable through any fancy verbiage. UTFA clearly argues that colleagues who have discharged their responsibilities acceptably must not be allowed to suffer penalties through falling living standards. The University, on the other hand, implies that since its first commitment is to PTR and since only

residual resources, if available, shall be used in order to protect colleagues from inflation, it has abandoned any stake it ever had in protecting the living standards of colleagues.

(2) Such residual resources as the University wishes to allocate to economic increases, it wishes to do in a manner that will penalize length of service and dedication and seniority within ranks. The following numbers are illustrative.

For the coming year, irrespective of 1985-86 salaries, the economic increases proposed by the University are \$742.50 for assistant professor, \$913 for associate professor and \$1,215.50 for professor. There is a surface, misleading, populist egalitarianism about the proposal to apply a 2.75 percent increase to the base salary for each rank. Thus if some promising assistant professor was recruited last year at 50 percent above the base salary — some indeed were recruited at salaries in excess of \$40,000 — then such a colleague's economic increase will drop to a mere 1.83 percent. Most colleagues will be subjected to deprivation in similar fashion if their current salaries are above the base salaries for their rank for whatever reason. The message that it must be the University's intention to convey through such a proposal is too bizarre to contemplate.

(3) Some colleagues may be misled by



the University's proposal that "full PTR be paid for 1986-87 ... an average of 2.63 percent at a net cost of ... 1.86 percent ...". PTR at this university has always been a two step system. Thus for 1985-86, colleagues whose salaries were below the breakpoint received an average of \$1,630 with those above the breakpoint receiving an average of \$930. What this means is that any colleague whose salary was above the breakpoint and who receives an average merit increase in the coming year will receive a total increase of about \$2,150. This will constitute an increase of about three percent *before* taxes (substantially less *after* taxes) in a year in which the inflation rate has been running at about 4.25 percent; indeed, according to Statistics Canada in the last recorded month, it increased to an annual rate of 6.2 percent. Colleagues with salaries just below the breakpoint may be lucky enough to barely keep pace with inflation if indeed they receive the average PTR increase.

(4) How reasonable is it to assume that every colleague, or even most colleagues, will be entitled to the average PTR for their salary category?

The nature of the PTR system remains insufficiently understood in spite of our decade-long experience with it. It is essentially a merit driven system designed to reward quality of performance and hence it must be based on a merit assessment whose primary purpose is to differentiate between various quality-levels of performance. A part of the PTR increase must represent amortized reward for promotion, since typically promotion from one rank to another carries no jump in salary levels, the remaining being allocated to current performance. Unless the assessment criteria are such that the resultant distribution is highly skewed, roughly 50 percent of the colleagues are bound to receive less than average merit increases regardless of how well, by absolute standards, they may have performed. Such is the nature of average. And the greater the focus on distinguishing extraordinary merit from normal or ordinary merit both in terms of assessment and rewards, the larger will be the proportion of colleagues whose merit increases will be less than the average for their category.

The conclusion is thus inescapable that the University's preferred way of rewarding "excellence" implies that at least half of the faculty and librarians are permanently condemned to lagging behind inflation.

(5) How effectively has the PTR system worked at the University of Toronto?

As originally conceived, its purpose was to ensure that a colleague making normal — i.e., neither abnormally slow nor rapid — progress through the

ranks would reach, at retirement age, a salary-level roughly equal to 2.7 times starting salaries, in real terms. Has this happened? In view of the fact that many starting salaries during the current year have amounted to \$35,000 or more, we need only ascertain if our retiring colleagues have reached salary levels 2.7 times as much. Clearly there has been a terrible compression of salary-scales largely as a result of University policy. We recognize the need to offer competitive salaries to incoming scholars. But what kind of career progress is in store for them in the light of the University's pathologically ardent pursuit of this very policy of salary-compression?

The administration's comparison of average salaries (by age groups) at the University of Toronto with those at other universities is a deliberate distortion in that the Toronto cohort is relatively much more heavily weighted in favour of professional faculties which have higher salaries. It is a pity that instead of arguing for higher salaries here, commensurate with the University's stature, the administration chooses to mislead colleagues into thinking that their salaries are already too high.

Yet another question that must be raised is: "As well conceived as the PTR system may be, is it administered well enough, with enough openness and accountability?" For one, the notion that PTR reflects, in part, reward, on a continuing basis, for progress that occurs only discontinuously, e.g. a promotion or a major book, seems to be increasingly obscured. For another, are the University's philosopher kings immune to Lord Acton's dictum about power? There is far too much arbitrariness, far too much lack of uniformity in the assessment criteria used both across individuals and across academic divisions and far too many grievances despite the fact that colleagues find them not only painful and humiliating but also difficult to redress except in cases involving gross injustice.

N.K. Choudhry
Department of Economics
James Estes
Department of History
John Gittins
Department of Geology
W.H. Nelson
Department of History
J.P. Siegel
Faculty of Management Studies

Will Ted pick up the tab?

John Gittins is right. It behooves us all to use a formal title when referring to George Connell (*Bulletin*, March 10).

Inspired by Monty Python's *Flying Circus*, I propose that we hold a contest for an appropriate title. All entries will be published in the *Bulletin*. First prize will be lunch with Connell; second prize two lunches. ... All entries should be submitted on April 1.

This is a demonstration of the true right of free speech.

Edward A. Walker
Department of French
Victoria College

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Letters

Costs of arbitration small in relation to salary base

Exactly two years ago UTSA launched a membership campaign. In the ensuing one and one-half years, we made a concerted effort to personally contact every staff member who was not a member of UTSA to explain what we do, to answer their questions and to give them an opportunity to join. Many accepted our invitation and membership increased from 1,460 to the current level of 1,825. A larger number turned us down, and one of the most common reasons given was "Why should I pay dues when I get the benefits anyway?" The UTSA membership is fed up with this attitude and believes it is only fair that all who benefit from the work of the association should, at a minimum, contribute toward the cost of its operation. However, as our membership

campaign indicates, we would prefer to have all staff as interested and active members of the association for the obvious reason that our bargaining power is largely dependent on the number of members and the support they give us.

In his wide-ranging letter on the subject of UTSA dues and other matters, (*Bulletin*, March 10), Klaus Heuck questions the value of money spent to pay arbitration expenses which might arise if a Memorandum of Agreement is put in place. The figure of \$26,000 which he quotes is probably an outside limit of the cost. But what are the potential gains? In the 1982-83 negotiations the faculty association was awarded an 18 percent increase through arbitration. This award included a six percent catch-up and it

is therefore reasonable to assume that it was six percent higher than what the administration would have been willing to grant voluntarily. Because the administration was committed to giving UTSA an equivalent increase, we settled for 16.75 percent, which was at least 4.75 percent higher than what might have been offered if UTFA had not gone to arbitration. Since the total salaries for the support, administrative and technical staff now total more than \$70 million, that additional 4.75 percent was worth \$3,150,000 per year, forever, in 1986 dollars. Of course, not all arbitration awards will be as favourable as this one was but as the costs of arbitration will always be very small in relation to the salary base, it seems highly desirable to have the option of referring disputes to an arbitrator.

In general, Mr. Heuck seems to see only a very narrow role for the staff association, with activities confined to annual meetings with the administra-

tion about salaries and benefits. I think if he were to get involved in UTSA, he would soon realize it is not as simple as that. We have to keep our members informed as to what is going on (the *Newsletter*), we have to solicit their opinions (surveys and meetings), we have to become knowledgeable about the issues (conferences, workshops) and in general we have to try to gain general recognition from the University community, the government and the general public for the contribution that we collectively make to the University and to society. In the end, it is this understanding of our contribution that will enable us to achieve fair and equitable salaries and benefits and good working conditions. I urge Mr. Heuck to get involved and help us achieve these goals.

David Askew
President
U of T Staff Association

Compassion for the animals

I am writing in regard to the picture on the front page of the Feb. 24 issue of the *Bulletin* ("Dentistry break-in").

I have seen worse written on the walls of this university, usually by students who have something trivial to bitch about.

This picture, however, left me cold.

Now I might have had some sympathy for Dr. Sessle, if the paint had been sprayed on him. But even so, when one considers what goes on behind the doors of some of the U of T labs, my compassion for the animals takes away any sympathy I might have had for Dr. Sessle or his colleagues.

The latest issue of *Humane Viewpoint*, put out by the Toronto Humane Society, spells out what goes on in the labs.

I hope that the next issue of the *Bulletin* will have a graphic picture on the front, showing the plight of some of these animals. After all, isn't the University supposed to show both sides of the story? I am sure the ALF (Animal Liberation Front) can provide you with a choice of pictures.

Just to give your readers an example from *Humane Viewpoint*, one article described "... seven cats (three of whom were 'fully awake' and four 'lightly tranquilized') [that] had their elbows displaced before being 'wrapped in restraining bags, their heads ... immobilized by attaching threaded bars to holding bolts' so researchers ... could determine whether EMG responses to cat elbows ..." etc ... etc. Really quite sickening.

The bottom line is there are alternatives. So much of this research is unnecessary and a lot of the funding comes from us, the taxpayers. Plus of course, big bucks come from the drug companies, which make even bigger bucks from the drugs they are selling.

I would appeal to *Bulletin* readers to write to Dr. Harry Rowsell, executive director of the Canadian Council on Animal Care, 151 Slater St., Ottawa, K1P 5H3, to protest this cruelty.

Sylvia G. May
UTCS Accounting Services

Committee Highlights

The Committee on Campus & Community Affairs —
March 4, 1986

- * recommended approval of the proposed policy, General Principles for Divisional Discipline Powers. Following referral back to the administration at the February meeting, the policy was amended to "include a provision for an appeal by students upon whom a penalty has been imposed to an individual or body not involved in the original decision"

- * the assistant vice-president (student affairs) reported on the establishment of the Campus Alcohol Policy Review Group which would include student and campus beverage service representatives. The group will look into the issue of alcohol use on campus

- * the vice-president (institutional relations) reported that, after a review this year of Homecoming, it was decided to call the event "University of Toronto Day" and hold it on Oct. 18. It would help provide an opportunity for enhancing public awareness of the University, help in student recruitment and set the stage for the

fundraising campaign. All sectors of the University would be encouraged to participate. (*Bulletin* March 10)

- * the vice-president (institutional relations) discussed statistics on fundraising at the University distributed at the meeting. He said it was the first report using the new information system installed last year. The system could provide information never available before. He reviewed a document entitled *Cash Donations by Source Report* which covered the period from May 1, 1985 to Oct. 31, 1985. The total in private donations received by the University was close to \$7 million for the six-month period.

He reported the 1985 results of the Varsity Fund, the Presidents' Committee and the Faculty and Staff Appeal as follows:

Varsity Fund	\$2.3 million
Presidents' Committee	\$3.5 million*
Faculty & Staff Appeal	\$.2 million

*Not including \$.5 million donated through the Varsity Fund

He expressed his appreciation to the staff who had worked hard to make the fundraising for 1985 a success

- * approved that, beginning in the 1986-87 winter session, the Students' Administrative Council fee be increased from \$20 to \$22 on the St. George campus, and from \$19 to \$21 at Scarborough and Erindale
- * approved the operating plan for 1986-87 for the Department of Athletics & Recreation. The plan assumes increases in membership and other fees of approximately 4.3 percent, an increase in revenues from projects and applied research and from the arena/stadium complex, fees for some fitness programs currently offered at no charge, four vacant positions would not be filled, and a slight reduction in recreational swimming hours. The net expense, which represents the contribution from the University's operating budget to the department's activities, has been reduced to \$856,638 for 1986-87

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Ads must be submitted in writing, 10 days before *Bulletin* publication date, to Marion de Courcy-Ireland, Department of Communications, 45 Wilcocks St., Toronto, Ontario M5S 1A1. Ads will not be accepted over the phone.

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Furnished home for rent. Port Union/Lawrence, executive, ravine, 4.5 bedrooms, 3½ baths, sauna, 2 family rooms with fireplaces, 2 appliances, double garage, near GO, in-law facilities. Aug. 86 - May 87, \$1700, 281-0171.

4 bedroom 3-storey furnished house 5 minutes walk from University and subway - clothes washer, dryer, dish washer, bed/bath linen, dishes. Children welcome. Available August 1, 1986 - July 1, 1987. No smoking. \$1200 plus utilities. (416) 537-2501 during business hours.

Royal York - Dundas West. Fully furnished house, 3 bedrooms, 2 bathrooms + master ensuite, rec-room, den, sun room, piano, 2 fireplaces, central air, available July through December, 1986, \$1,400/month + utilities; family or couple; 978-3145 or 239-2180.

For Rent: Academic '86-87 Responsible tenants for furnished 3 storey "Beaches" home. 3 bedrooms, 2 bathrooms, major appliances, fenced yard, close TTC, schools, shopping, \$1200 per month, references please. 690-5422.

Unfurnished 2 bedroom apartment, all appliances, broadband, laundry and parking \$820.00 plus hydro. Available Apr/86 at 556 Spadina Crescent. 278-6616. Also available May 1st - apartment No. 4 at \$725.00 plus hydro per month.

Riversdale. At the subway - 15 mins. to U of T. Immaculate 1 bedroom apartment. New kitchen, hardwood floors. May 15. Viewing May 1st. \$625 + Refs. Non-smokers. 466-0146.

Annex area. 770 Manning Ave., Toronto. Small 2 bedroom furnished house, minutes from subway, \$800.00 a month + utilities. Parking. April 13th to Jan. 13th, 1987 or longer. Phone 533-7908.

Sublet fully furnished apartment. May 1 - Aug. 30. Central Toronto 4 blocks from U of T. One bedroom, large living/diningroom, Terrace splendid 180° view. \$700. month (includes utilities) + refundable deposit. (416) 977-2734 eves, except Wed.

Annex. Furnished three bedroom renovated semi. 3 washrooms, 5 appliances, garage. 15 minutes walk to campus. June 1, 1986-July 31, 1987. \$1300 + 925-4010.

Summer Rental. Furnished 1 bedroom apartment in Broadview-Danforth area. 4 minute walk to Broadview subway, 15 minutes to U of T. Available June 27 - September 1, 1986 \$500/month includes utilities. Call 469-4710 evenings.

Annex Apartment. 1 bedroom basement, furnished, private entrance, minutes from university, close to shopping, laundry. Sublet 1 June - 31 August. \$450 + utilities. (416) 978-3496.

Downtown Toronto summer rental. Rosedale, furnished 9-room house, bright eat-in kitchen, separate diningroom, 4/5 bedrooms, patioed fenced garden, 2½ baths, all appliances. Quiet shady crescent, near bus, shops, parks. References. \$1300/mo. 960-4964.

Palmerston Blvd. & Harbord St. Large renovated two bedroom, sun room, breakfast nook. Door to large balcony from livingroom. Broadloom. Utilities included. Adults only. Available May 1. \$975.00. Mrs. Ida Szaki, 408 Palmerston Blvd. Toronto, Ont. M6G 2N8. 532-3070.

Spring-Summer Rental. Furnished 2 bedroom bungalow in Bloor-Royal York area. Quiet, pleasant, 4 min. walk to subway. Arranged as 1 double bedroom plus study. Available approx. May 1 to Sept. 3. \$650/month, including utilities. Prof. Reed, 978-3491 (office), 978-3470 (message), 233-9444 (home).

Summer Rental, Cabbagetown. Fully furnished 4 bedroom, 1-1/2 bath, garden, garage, incl. cable/pay TV. 10 minutes U of T by TTC. 21 June - 21 August. \$1000/month plus utilities. Reduced if willing to mind two cats. 928-2913.

Three-bedroom house in Toronto. Quiet street, close to subway and convenient to Beaches area. Available July and August. \$1,000 a month. Call (416) 465-4114.

Eglinton-Avenue Road. House for rent. Four bedrooms plus. Furnished. Available July 1, '86 to Aug. 31, '87. \$1400 per month. Major appliances, T.V., fireplace, deck, garden. 3-1/2 miles to U of T. 482-9605.

Devilville/Bayview. 10 minutes from downtown. Bright 3 bedroom furnished semi. All appliances, 2 bathrooms, enclosed backyard with playhouse, suit family, non-smokers preferred. July 1 to Dec. 31. \$950/month includes heat + hydro. Phone 486-1133.

Summer rental, June-August inclusive. Fully furnished, 4 bedroom house, den, recreation room, eat-in kitchen, 3 bathrooms, 5 minute walk to Royal York subway. No pets. References. \$1200 month + utilities. Bus. 978-8954, home 232-1068.

Annex, 3 bedroom sabbatical home, furnished with antiques, 5 appliances, fireplace, gourmet kitchen, wonderful garden. Steps to TTC. \$2000 +. July 1 for 1 year. 923-6482.

Accommodation Rentals Required

3 Bedroom house, fully furnished - linens, dishes, maid service optional - for responsible family vacationing month of July. Confirmation needed by May definitely. \$1,500/month approx. Prof. Summerhill stop. Call Dr. Quarty, 967-5877.

Furnished house in north Toronto: required July 1, 1986 by family of 5. 4 bedroom, family room, children attending Crescent, Glenview schools, excellent references. 485-9252.

One bedroom apartment or flat wanted near subway, west end. April 1. \$400. Diane 828-9222, ext. 284, 9-5 weekdays.

Responsible academic couple on research leave seeks central furnished apartment or house Summer 1986 - Summer 1987. Dates flexible. References available. Please call Prof. Philip Alperson collect (502) 458-0190 evenings.

Responsible family requires 3 bedroom home while own house is being renovated. April till June or July. Please call Dr. M. Tepitsky - 922-4285 and leave message or call 782-0521 evenings.

City accommodation for family of five September 1986 - June 1987. Reasonable rent or exchange for country home on Grand Canal, Dublin, Ireland. Prof. C. Houston 828-5464.

Furnished/unfurnished accommodation required for visiting professor (family of four). April 1/86 - April/87. Prefer city location with easy access to the University. Please call Dr. A. Bennek, 978-5400, Department of Biochemistry, University of Toronto.

Going on sabbatical? Young couple with 2 small children require house to rent starting July or August 1986. Contact A. Cooke, 345 Ash, Winnipeg, Man. R3N 0P8. (204) 452-2844.

4 Bedroom accommodation: required by 4 responsible 4th yr. students, female, non-smokers, starting May or Sept. for the '88/'89 academic yr. Annex area or within walking distance of U of T. Up to \$1400/month. Excellent references. Call evenings 599-5034, 592-9396.

Visiting professor and wife seek one or two bedroom accommodation for duration of fall term 1988. About fifteen minute walk to campus or short direct TTC ride. Shopping. Messages 978-3812. Evenings 923-8440.

Wanted-house to rent for summer. New R.O.M. staff member wishes to rent house, furnished or unfurnished, preferably relatively central. May to September. Phone Dr. Mark Taylor. Mammalogy 586-5771 or 926-0880 evenings.

U of T employee, trustworthy, neat, non-smoker seeks accommodation beginning May 1 in central Toronto at reduced rates in exchange for help with housekeeping, house-sitting and/or pet care. Will supply references. Call Sally 978-5385, 924-8536 evenings.

Accommodation Shared/Exchanges

Professional wanted to share 2 bd. highrise near Sherbourne/Bloor subway with same. Rent: \$370.00/month. (Parking \$40/mon. extra). Mostly furnished. Great view. Call Pam: 860-0204 days; 921-4077 eve.

High Park apt. to share. \$450 Apr. 15 or May 1. 2 bedroom end den, 1-1/2 baths, wall to wall, beautiful view from 28th floor of park and lake. Underground parking extra. Nicely furnished or bring your own bedroom. Professional female, 30, skier and windsurfer, quiet and a smoker. B-369-7902 R-763-2582.

Houses/properties For Sale or Wanted

For Sale. Condo apt. Excellent location, \$112,900. Four rooms, w/o to balcony. Nicely decorated in neutral tones. Stove and fridge incl. Parking. Close to subway. Call Jim Chestley, Darrell Kent Real Estate Ltd., Realtor. 690-8911.

Accommodation Overseas

Italy: 102 km. south of Rome, 100 yds from beach, elegant 3 bd house, 2 bathrooms, washing machine, all comforts, garden, gazebo. Near archaeological, artistic, scenic sites. \$1500/month; available May-June, July-August, September. Call 926-1300 x3286.

Vacation/Leisure

Clearwater, Florida. 3 bedroom home. Close to beaches, tennis and golf. Ideal for 1 or 2 families. US\$275/week April-November; US\$325/week December-March, extended rates on request. 978-7078 or 593-5186.

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Backpack Canada, United States & South America. Adventureous backpacking treks in the magnificent Canadian Rockies, the Grand Canyon in Arizona, the lower Appalachians during the autumn colour season, the Florida Trail, hut hopping in the White Mountains of New Hampshire, the Grand Tetons of Wyoming, the Andes Mountains of PERU, the Weminuche Wilderness of San Juan National Forest in Colorado and other exciting treks. For those who feel a little backpacking trip would be too difficult, we have some trips where we hike out daily from a base camp in scenic backcountry areas. No experience required. Trips are 7 to 10 days' duration. Request brochure. WILLARD'S ADVENTURE EXPEDITIONS, Box 10, Barrie, Ontario, Canada L4M 4S9 (705) 737-1881 daytime, (705) 728-4787 evenings.

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Barbados - One or two bedroom cabanas. West coast near Speightstown. Best beach on the island. Good swimming, snorkelling, diving, wind surfing, etc. Close to golf and tennis. Weekly \$350 Canadian. Dec. 15 April 15, \$250 after that. Contact M. McGrath 978-4941 or 967-5992.

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Miscellaneous

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Accent Need Adjustment? Workshops forming with "accent" on production and formation of the English sound system, English pronunciation and intonation patterns. Small groups, ten weekly sessions. Personalized attention. Christine Gandy, B.A., Reg. OSHA Language/Speech Pathologist, 767-6691.

Weight Control Effective-ness Program. An alternative to dieting & overeating. A group program designed for gradual weight loss, for developing a positive self-image and for reducing guilt around eating. New sessions begin April 14. Interviews for registration have started now. Contact Magdalene Agraftiotou, M.A. tel: 928-3117.

Find connections between your central theme(s) & patterns and who gets in the way of achieving your personal goals. For individual counselling contact Magdalene Agraftiotou, M.A. 928-3117.

FREEZER ORDERS OF BEEF. Prices: (good until April 30, FOB Orangeville) Sides \$1.73, Front-quarters \$1.49, Hind-quarters \$2.00. Professional butchering to your specifications, frozen, and reliably marked. Delivery \$15 in Toronto. Phone Prof. Michael Joy 978-6538, 233-2628 or 519-941-1189.

Sir David Willcocke CBE MC Choral Workshop and Festival August 3-10. Join this renowned conductor to perform works by Bruckner, Schuetz, Britten et al. Details: Michael Gormley, Christ Church Cathedral, 912 Vancouver St., Victoria, B.C. V8V 3V7. Telephone - (604) 383-2714.

Basic financial planning workshops for those recently separated or divorced conducted by Fitz and Associates, Divorces Mediators and Financial Planners. Session I: March 25 & April 1; Session II, April 6 & 13. \$40; pre-registration required. For further information: Jacqueline Hoffman Fitz, B.A., M.S.W., 922-0928.

For Sale: Japanese Woodblock Print "Winter In Azu" by Saito Kiyoshi. Purchased in Japan in mid-60s, never framed or displayed. Blocks destroyed in 1970. Verification available. \$725. Jackie Fitz, 922-0928.